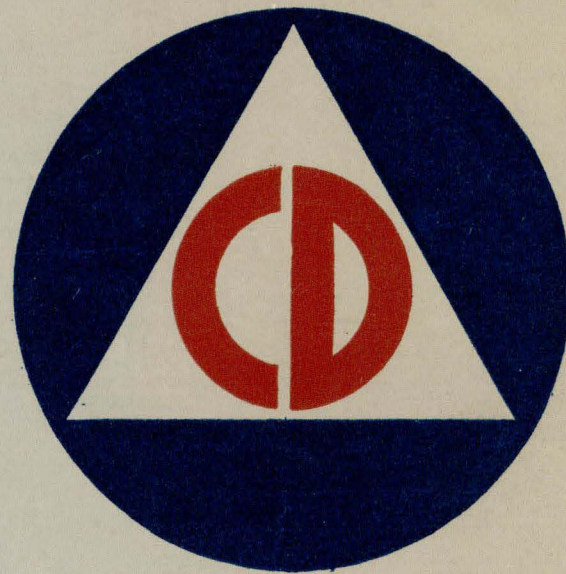


SOUTH CAROLINA CIVIL DEFENSE AGENCY



OPERATIONAL SURVIVAL PLAN MAPS

C 4995
2.586-2
Copy 1

30 JUNE 1959

S. C. STATE LIBRARY BOARD

UNIVERSAL TRANSVERSE MERCATOR GRID SYSTEM

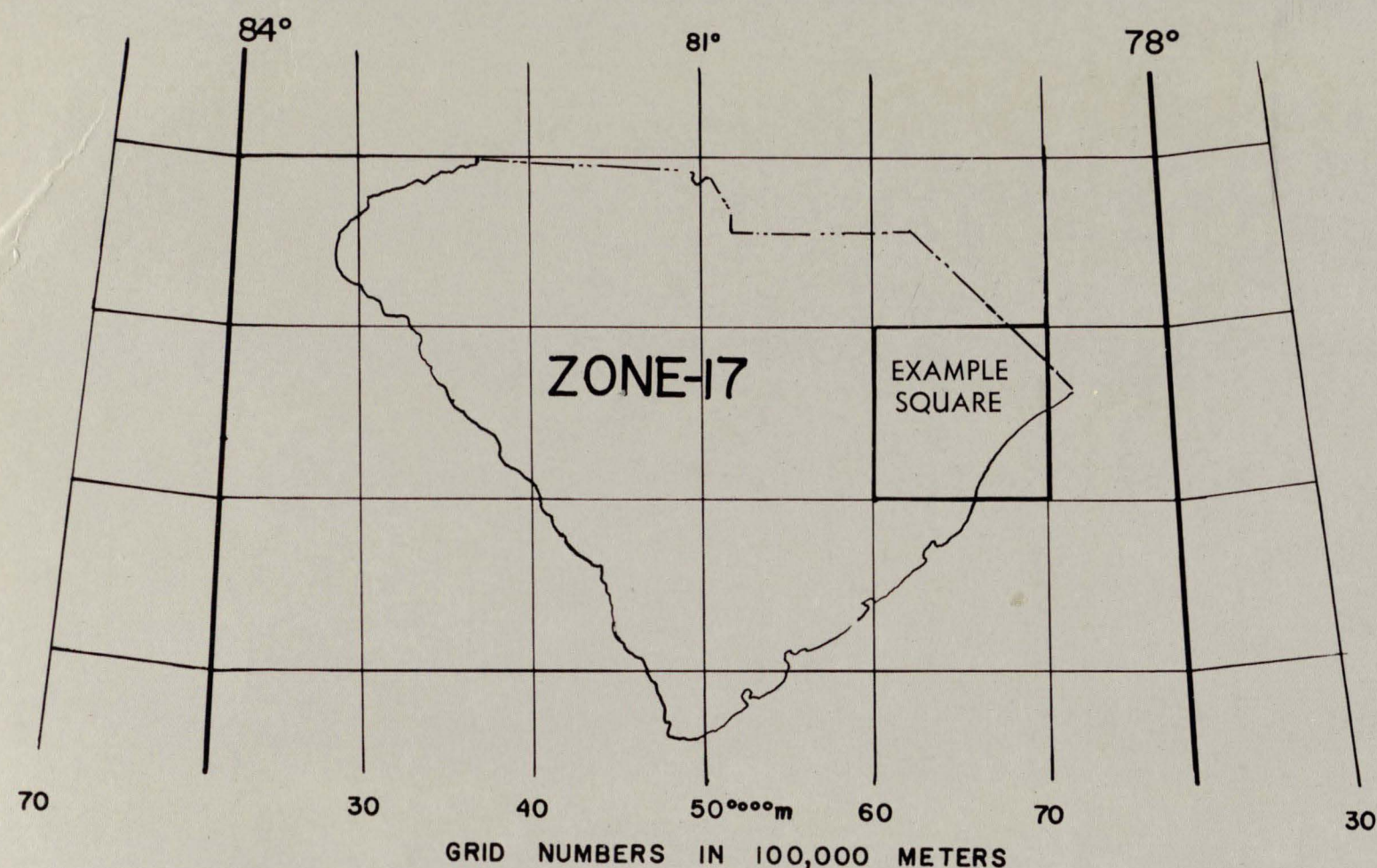
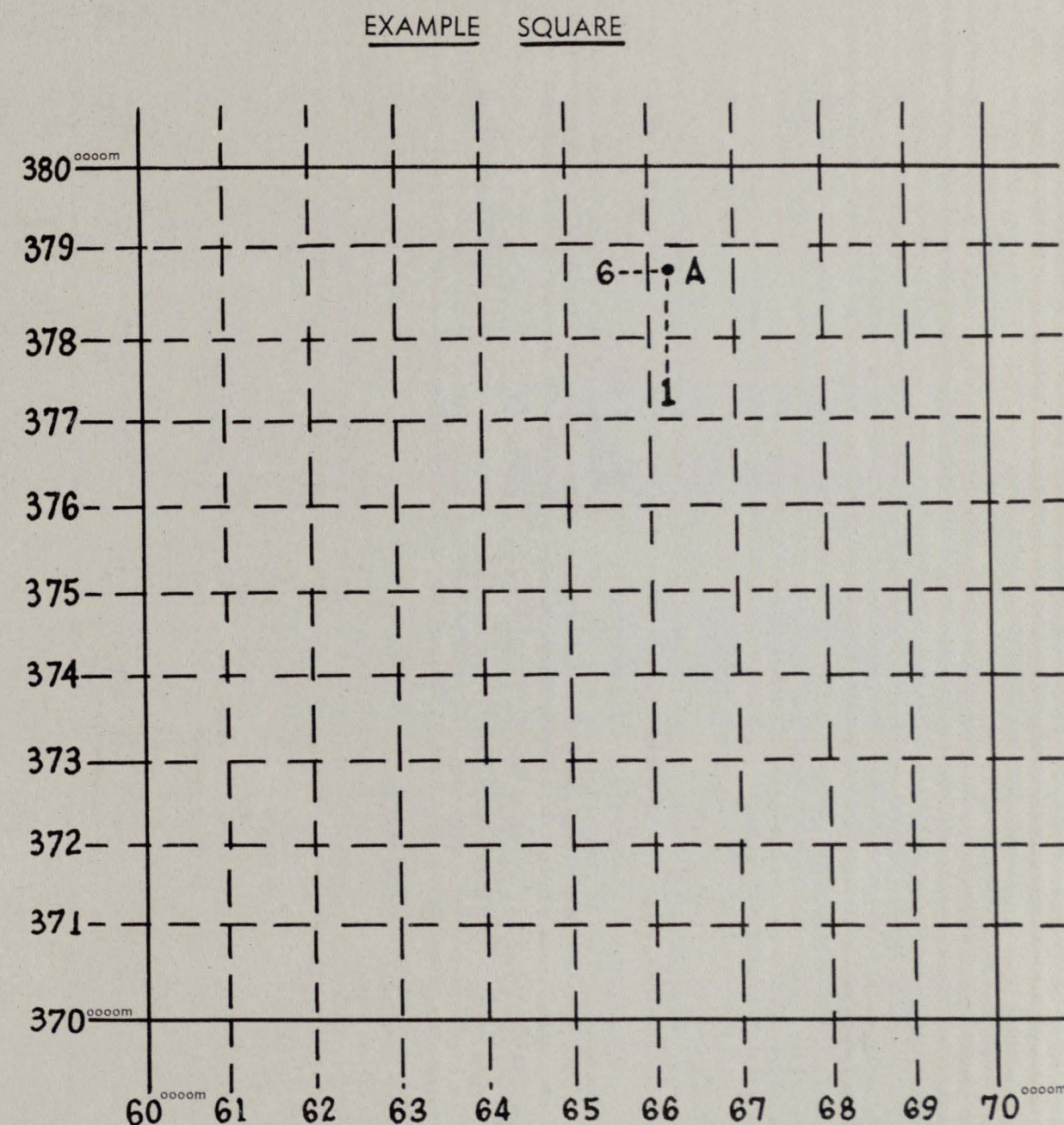


Figure 1

EXPLANATION OF FIGURES 1 AND 2

The Universal Transverse Mercator (UTM) Grid System is the system of coordinates to be used in all reporting through Civil Defense Channels and is the Grid System utilized by the Army Map Service. The UTM Grid System divides the world into large geographical zones each extending 6° in longitude, as shown above. South Carolina falls completely into Zone 17. The area within each zone is divided into metric system grid by lines running parallel and at right angles to the longitude line at the center of each zone which has a constant value of 500,000 meters. Numbers less than 500,000 are to the left of the center line and numbers greater than 500,000 are to the right. A five digit northing coordinate and a four digit easting coordinate will locate a point on the ground to the nearest 100 meters.

The coordinates of point "A" in the example actually locate a point in Mullins, S. C.



UTM COORDINATES OF POINT "A": ZONE 17 NORTH 37860 EAST 6610

Z 17 = UTM ZONE 17

N 37860 = 3,786,000 METERS NORTH OF THE EQUATOR

E 6610 = 661,000 METERS REFERENCED FROM THE 500,000 METER CENTER LINE OF ZONE 17

Figure 2

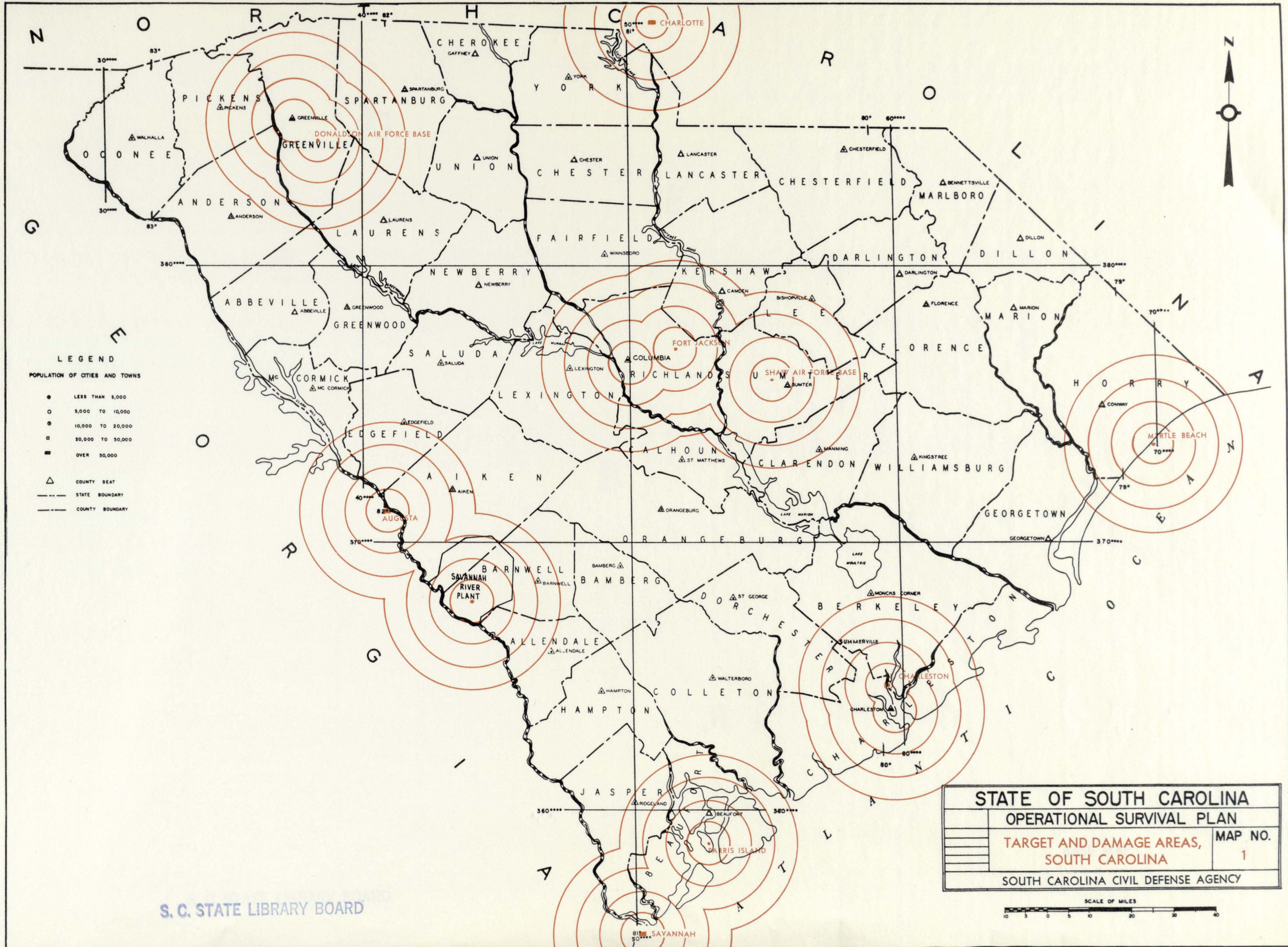
LIST OF MAPS

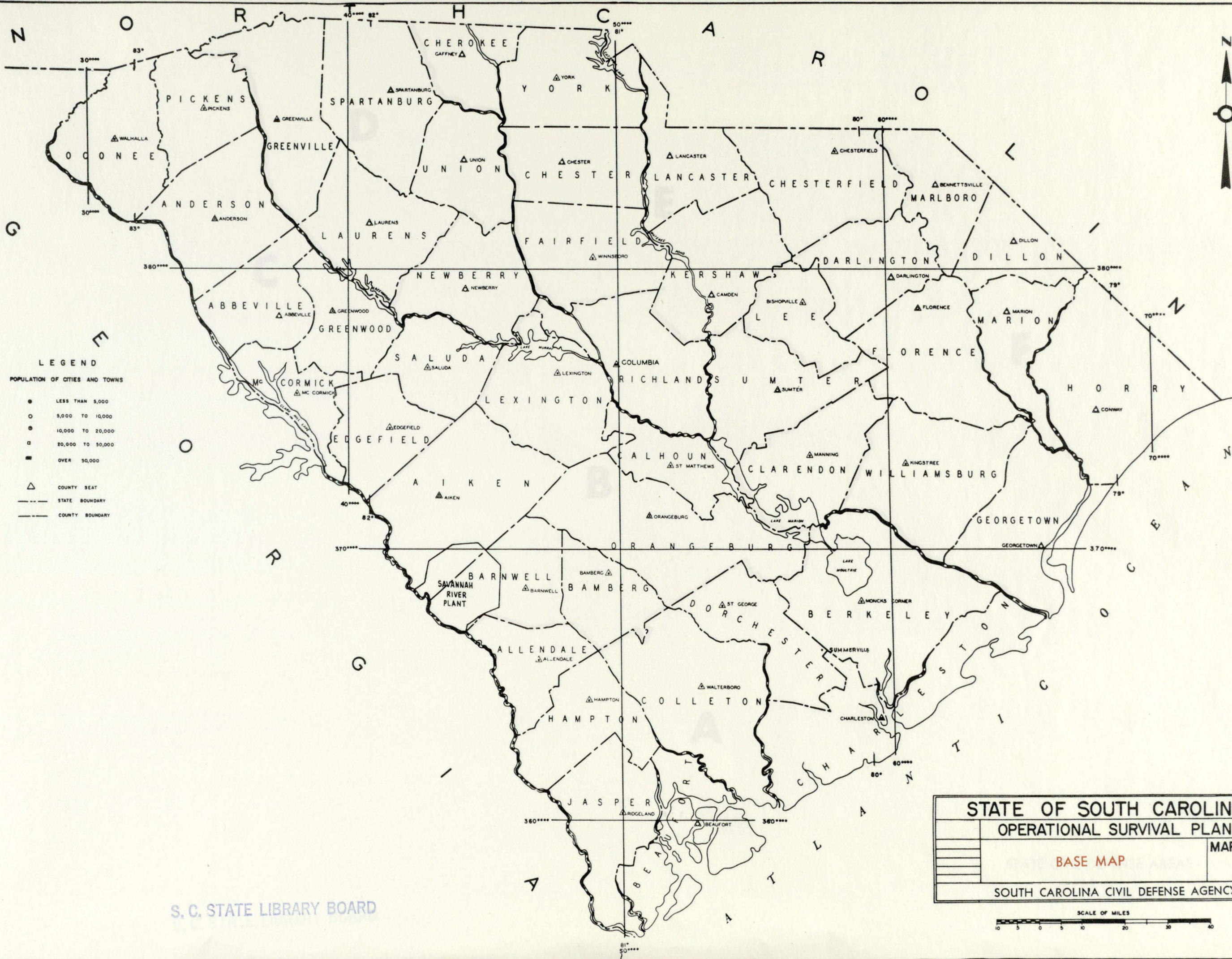
NO.

1. TARGET & DAMAGE AREAS, S. C.
2. BASE MAP
3. STATE CIVIL DEFENSE AREAS
4. TARGET, SUPPORT AND MUTUAL AID AREAS
5. WELFARE INSTALLATIONS
6. PRIMARY EVACUATION ROUTES
7. HIGHWAY PATROL & MAINTENANCE RADIO NETWORK
8. MAJOR PRIVATELY OWNED STATE-WIDE RADIO NETS
9. STATE FORESTRY COMMISSION RADIO NETS & TOWER LOCATIONS
10. BELL SYSTEM TELEPHONE TOLL ROUTES
11. INDEPENDENT TELEPHONE COMPANIES & EXCHANGES
12. RADIO AMATEUR CIVIL EMERGENCY SERVICE NET
13. S. C. STATE HIGHWAY PRIMARY SYSTEM
14. PRIMARY MILITARY & CD TRANSPORTATION ROUTES

NO.

15. SUPPLY & TRANSPORTATION INSTALLATIONS
16. MOBILE SUPPORT LOCATIONS
17. NATIONAL GUARD UNITS & FACILITIES & LOCATION OF CIVIL DEFENSE CONTROL CENTERS
18. NATIONAL GUARDS RADIO NETS
19. POLICE HEADQUARTERS
20. FEDERAL AVIATION AGENCY COMMUNICATION STATIONS
21. ELECTRIC POWER FACILITIES
22. HEAVY EQUIPMENT CENTERS
23. NATURAL GAS PIPELINES
24. WATER FACILITIES
25. EMERGENCY INFORMATION SERVICE
26. U. S. WEATHER STATIONS
27. FORESTRY FUEL & INFLAMMABILITY ZONES





LEGEND

POPULATION OF CITIES AND TOWNS

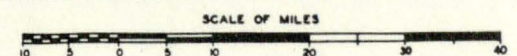
- LESS THAN 5,000
- 5,000 TO 10,000
- ◐ 10,000 TO 20,000
- ◑ 20,000 TO 50,000
- OVER 50,000

△ COUNTY SEAT

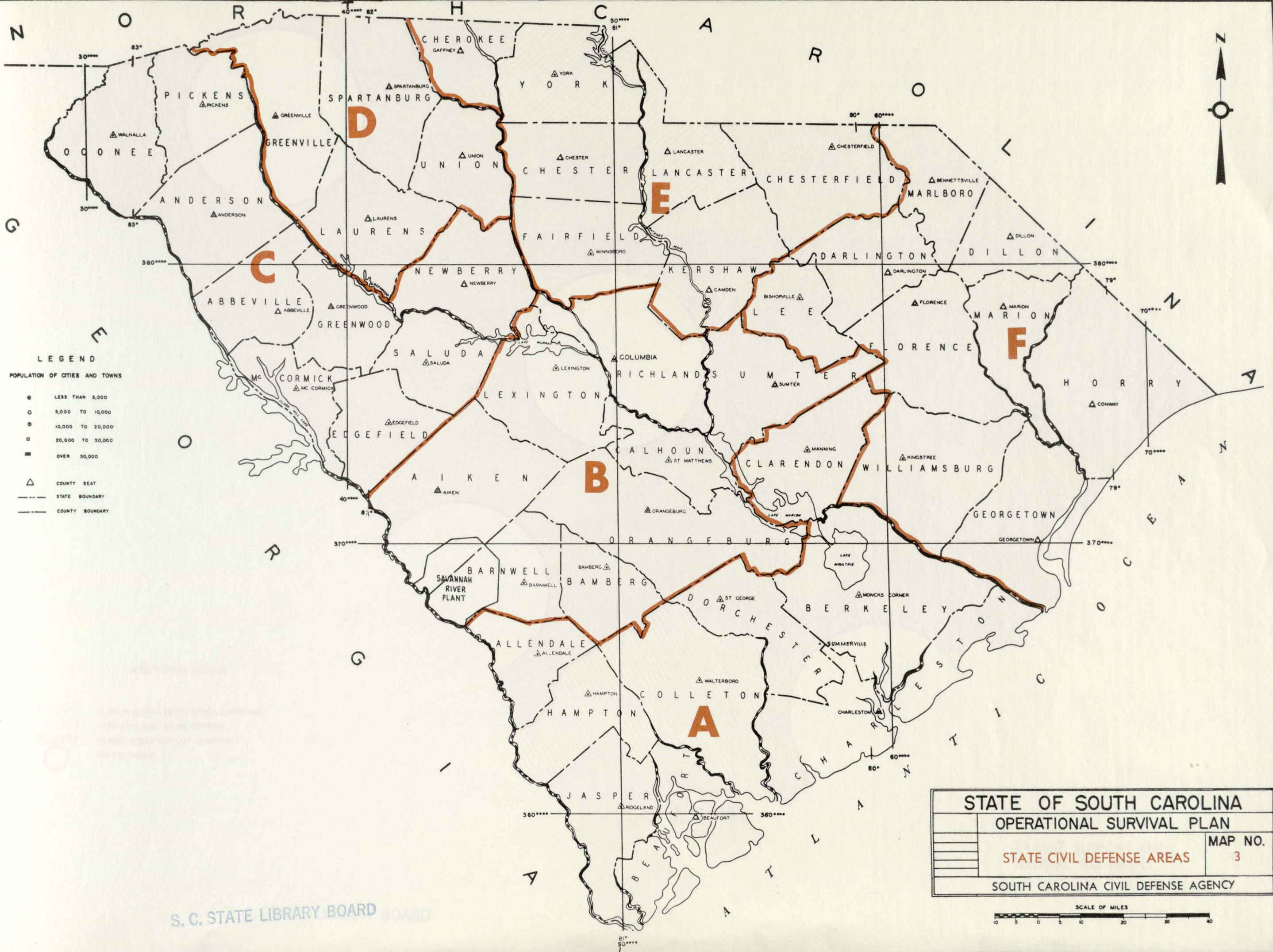
--- STATE BOUNDARY

--- COUNTY BOUNDARY

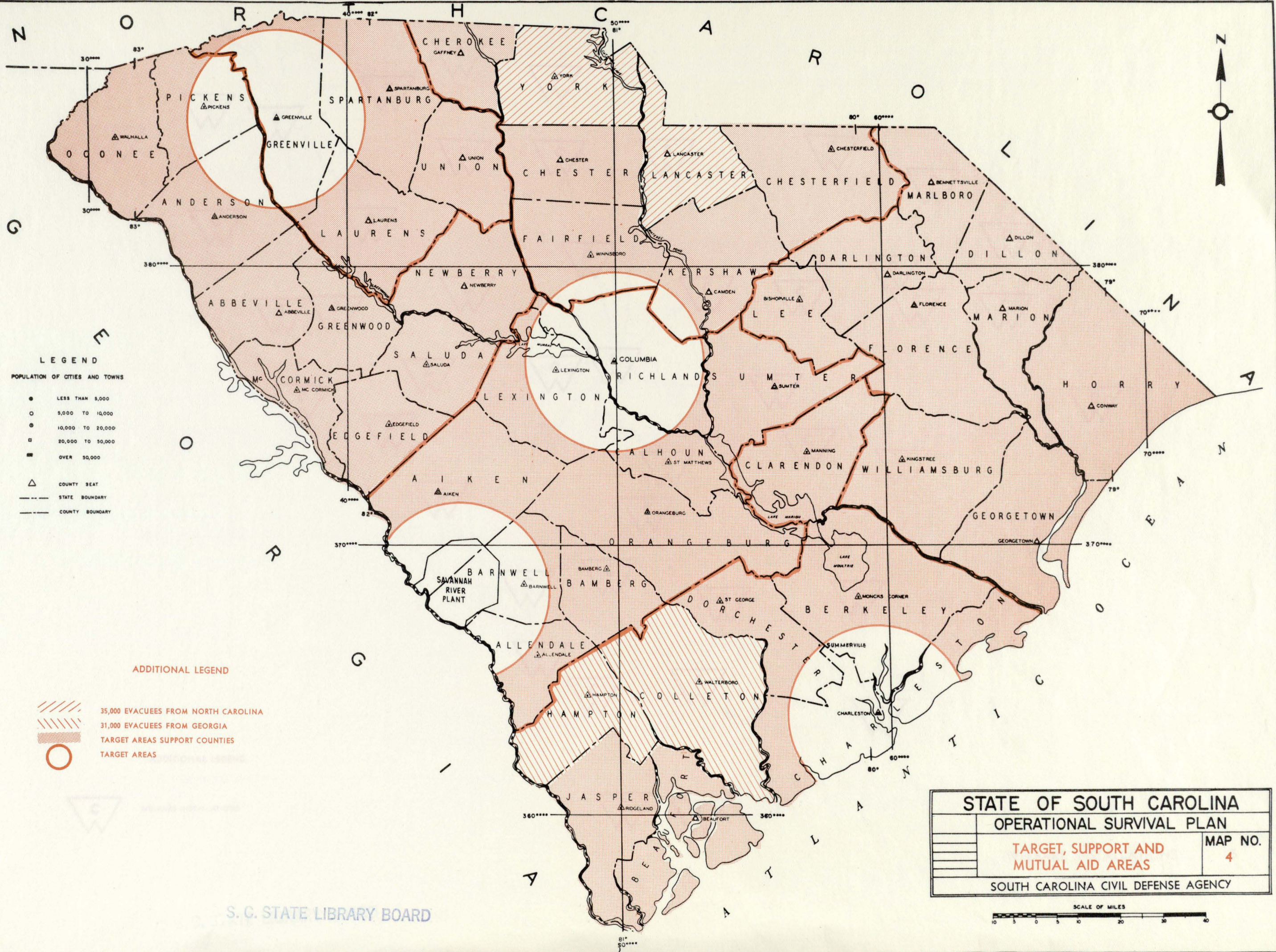
STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
BASE MAP	MAP NO. 2
SOUTH CAROLINA CIVIL DEFENSE AGENCY	

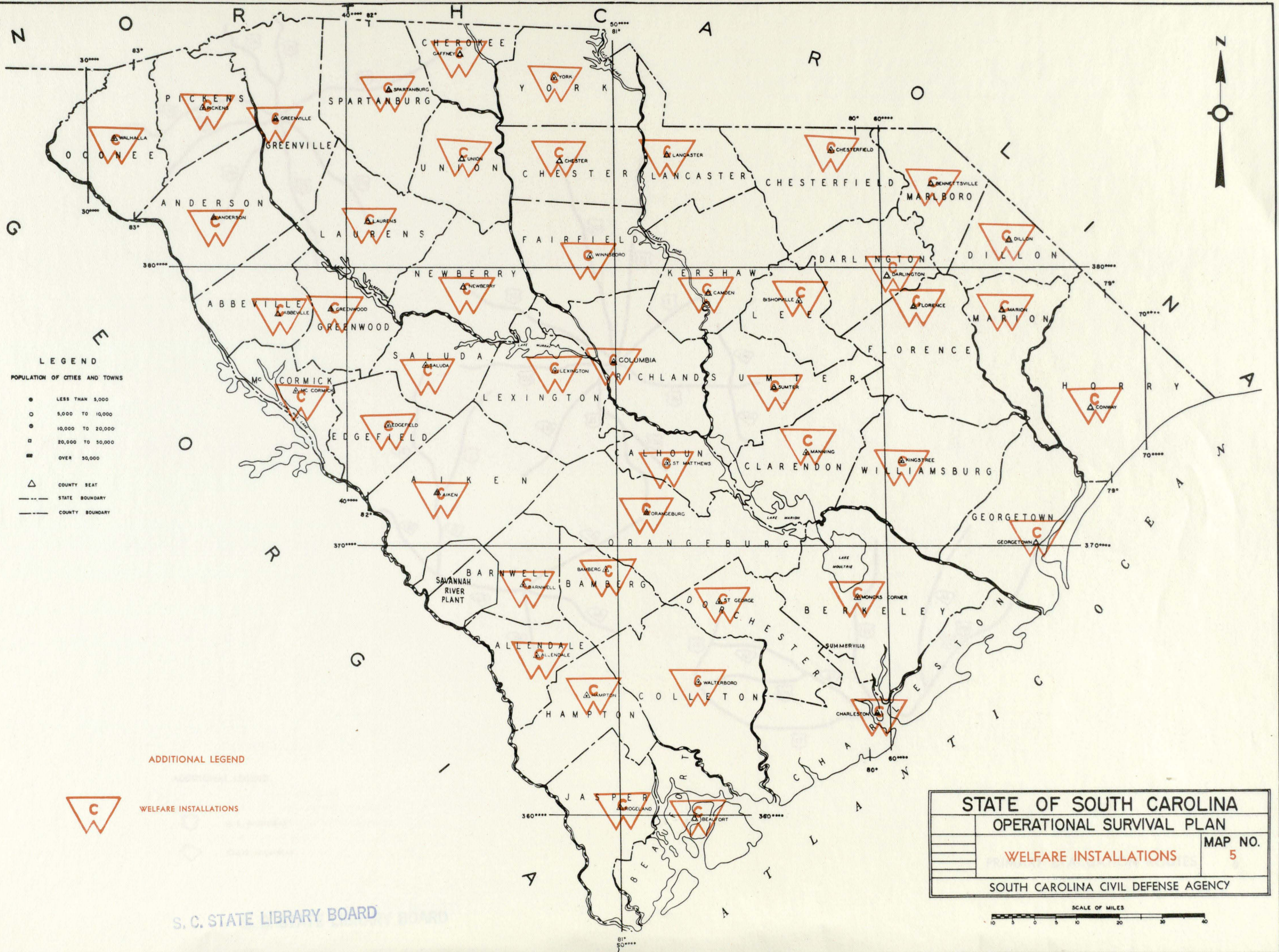


S. C. STATE LIBRARY BOARD



S. C. STATE LIBRARY BOARD





LEGEND

POPULATION OF CITIES AND TOWNS

- LESS THAN 5,000
- 5,000 TO 10,000
- 10,000 TO 20,000
- 20,000 TO 50,000
- OVER 50,000

△ COUNTY SEAT

--- STATE BOUNDARY

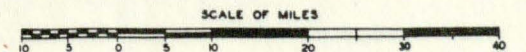
--- COUNTY BOUNDARY

ADDITIONAL LEGEND

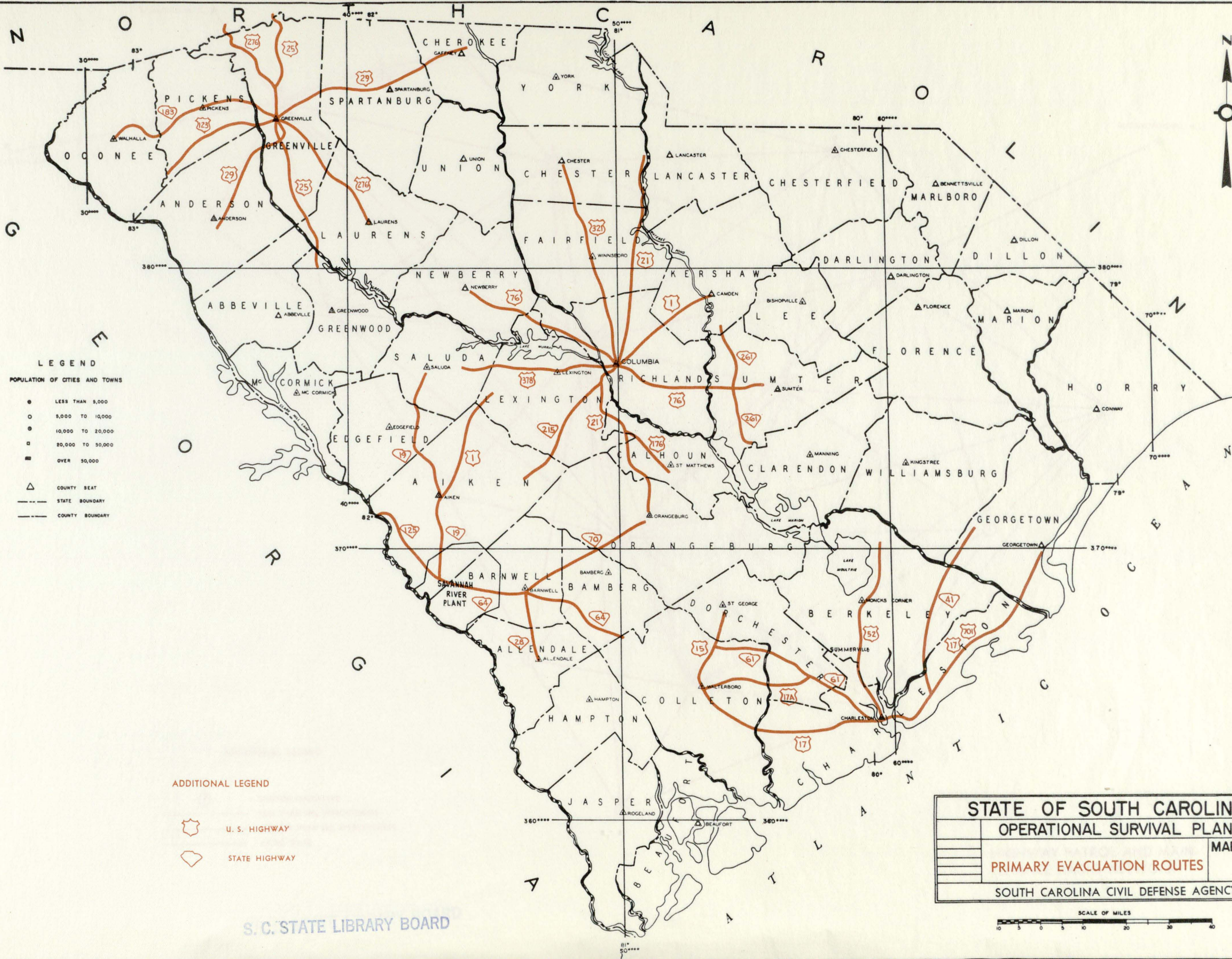


WELFARE INSTALLATIONS

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
WELFARE INSTALLATIONS	MAP NO. 5
SOUTH CAROLINA CIVIL DEFENSE AGENCY	



S. C. STATE LIBRARY BOARD



LEGEND

POPULATION OF CITIES AND TOWNS

- LESS THAN 5,000
- 5,000 TO 10,000
- 10,000 TO 20,000
- ◻ 20,000 TO 50,000
- OVER 50,000

△ COUNTY SEAT

--- STATE BOUNDARY

--- COUNTY BOUNDARY

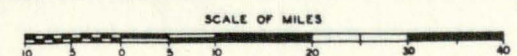
ADDITIONAL LEGEND

U. S. HIGHWAY

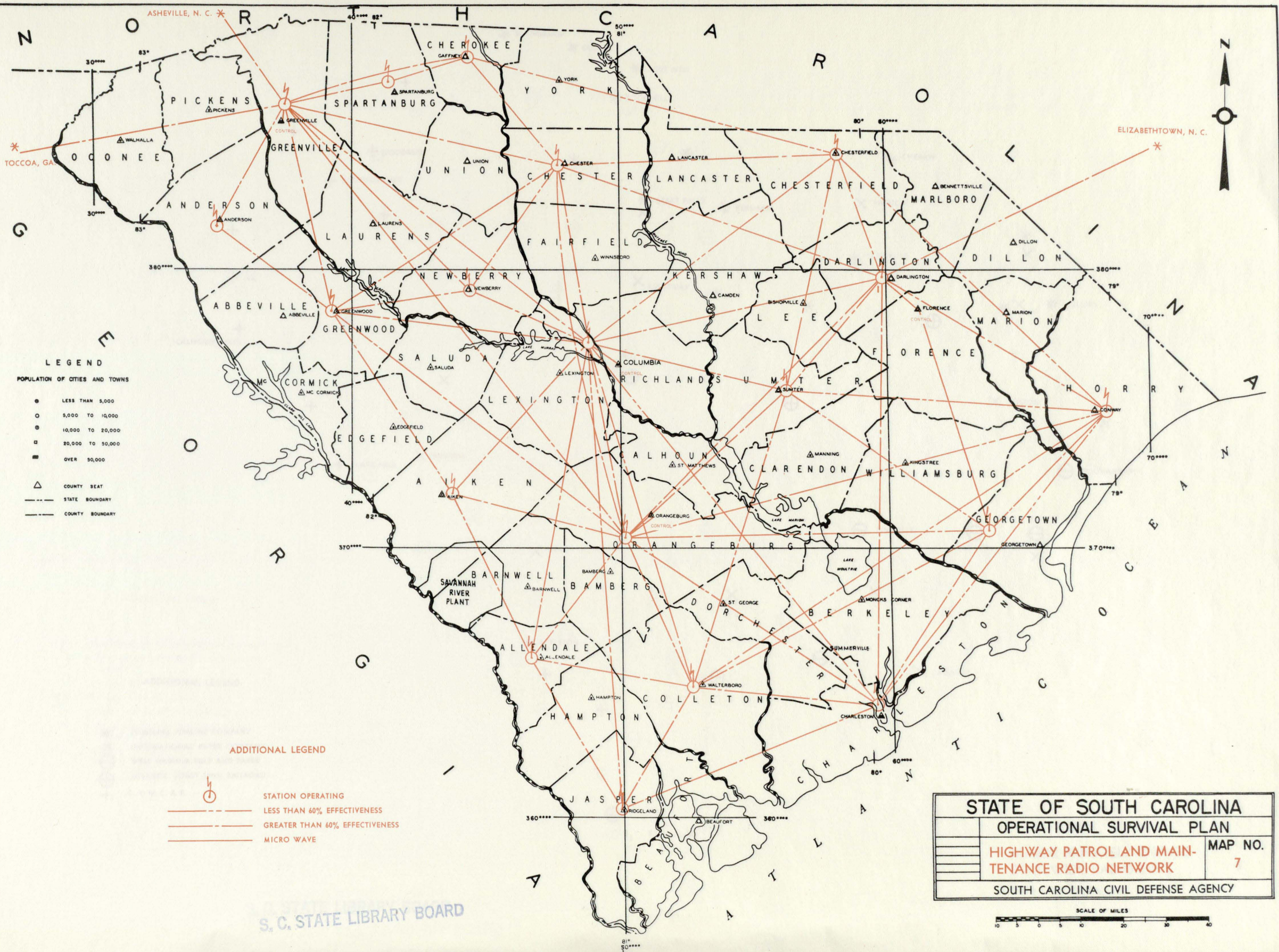
STATE HIGHWAY

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
PRIMARY EVACUATION ROUTES	
SOUTH CAROLINA CIVIL DEFENSE AGENCY	

MAP NO. 6



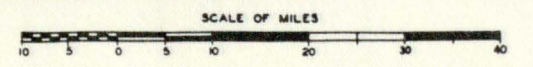
S.C. STATE LIBRARY BOARD



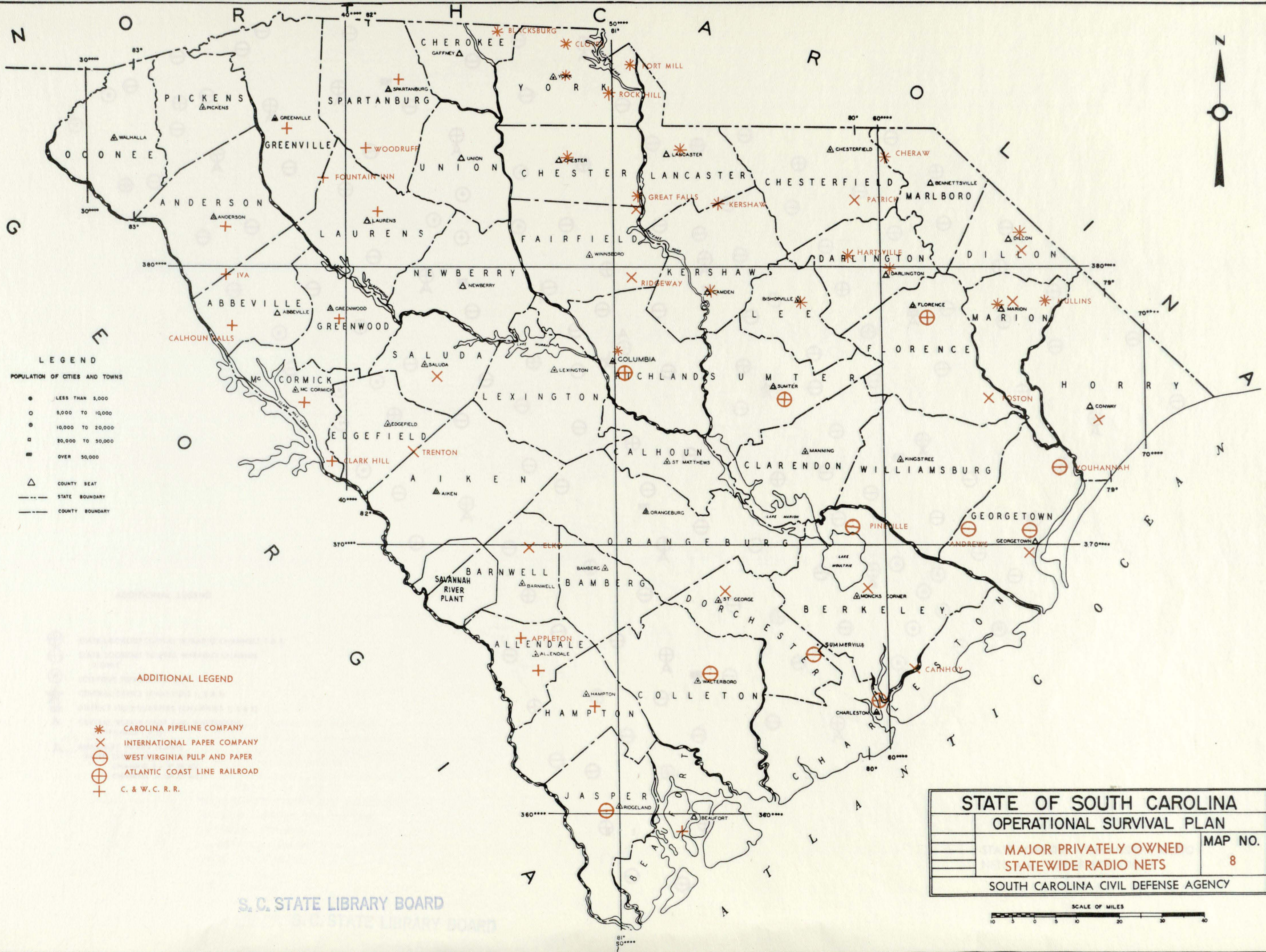
- LEGEND
- POPULATION OF CITIES AND TOWNS
- LESS THAN 5,000
 - 5,000 TO 10,000
 - ◐ 10,000 TO 20,000
 - ◑ 20,000 TO 50,000
 - OVER 50,000
- △ COUNTY SEAT
- STATE BOUNDARY
- COUNTY BOUNDARY

- ADDITIONAL LEGEND
- ⚡ STATION OPERATING
 - LESS THAN 60% EFFECTIVENESS
 - GREATER THAN 60% EFFECTIVENESS
 - MICRO WAVE

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
HIGHWAY PATROL AND MAINTENANCE RADIO NETWORK	MAP NO. 7
SOUTH CAROLINA CIVIL DEFENSE AGENCY	



S. C. STATE LIBRARY BOARD



LEGEND
POPULATION OF CITIES AND TOWNS

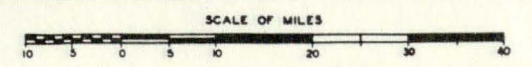
- LESS THAN 5,000
- 5,000 TO 10,000
- ⊙ 10,000 TO 20,000
- ⊠ 20,000 TO 50,000
- ⊡ OVER 50,000

△ COUNTY SEAT
--- STATE BOUNDARY
--- COUNTY BOUNDARY

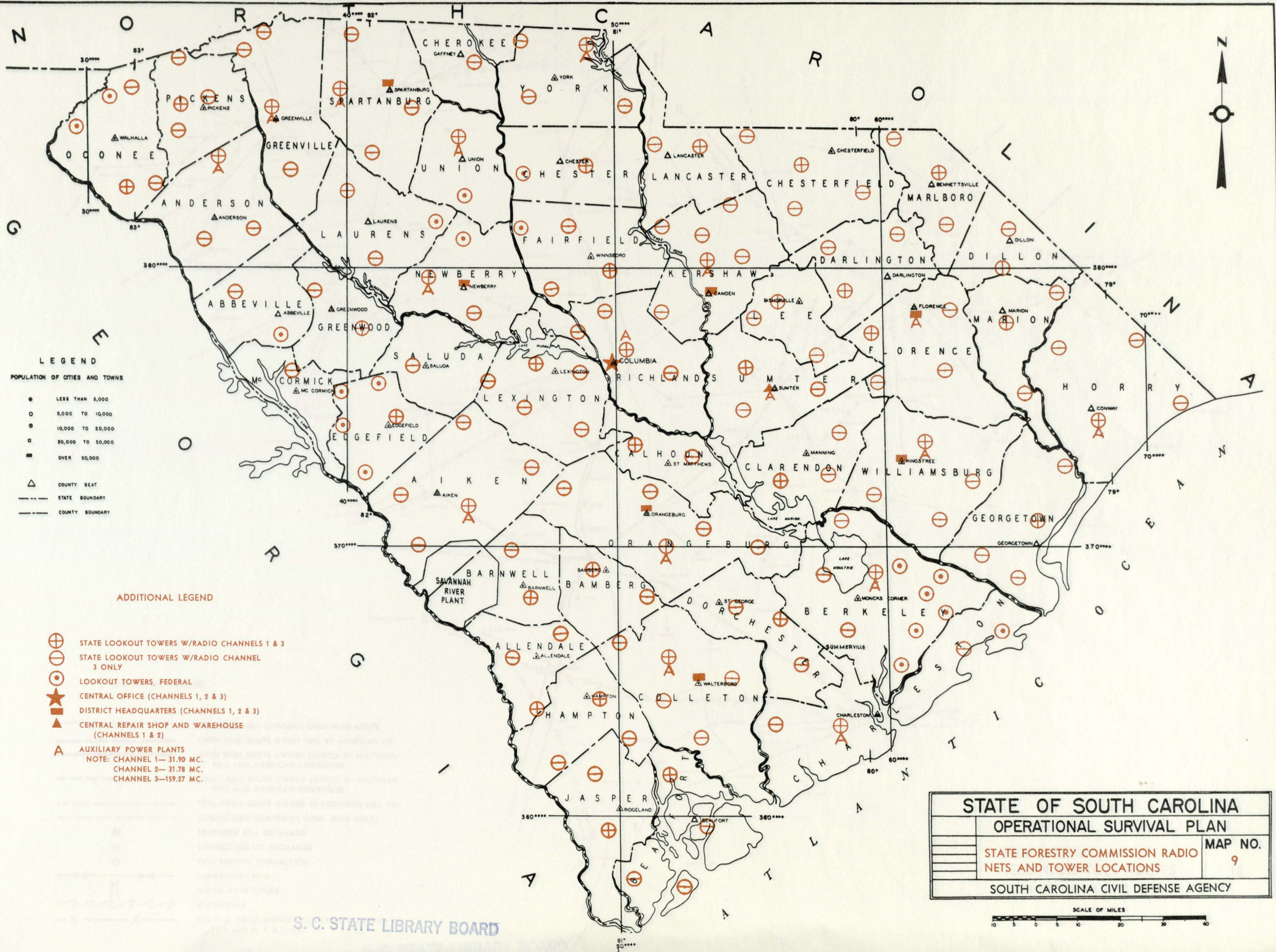
ADDITIONAL LEGEND

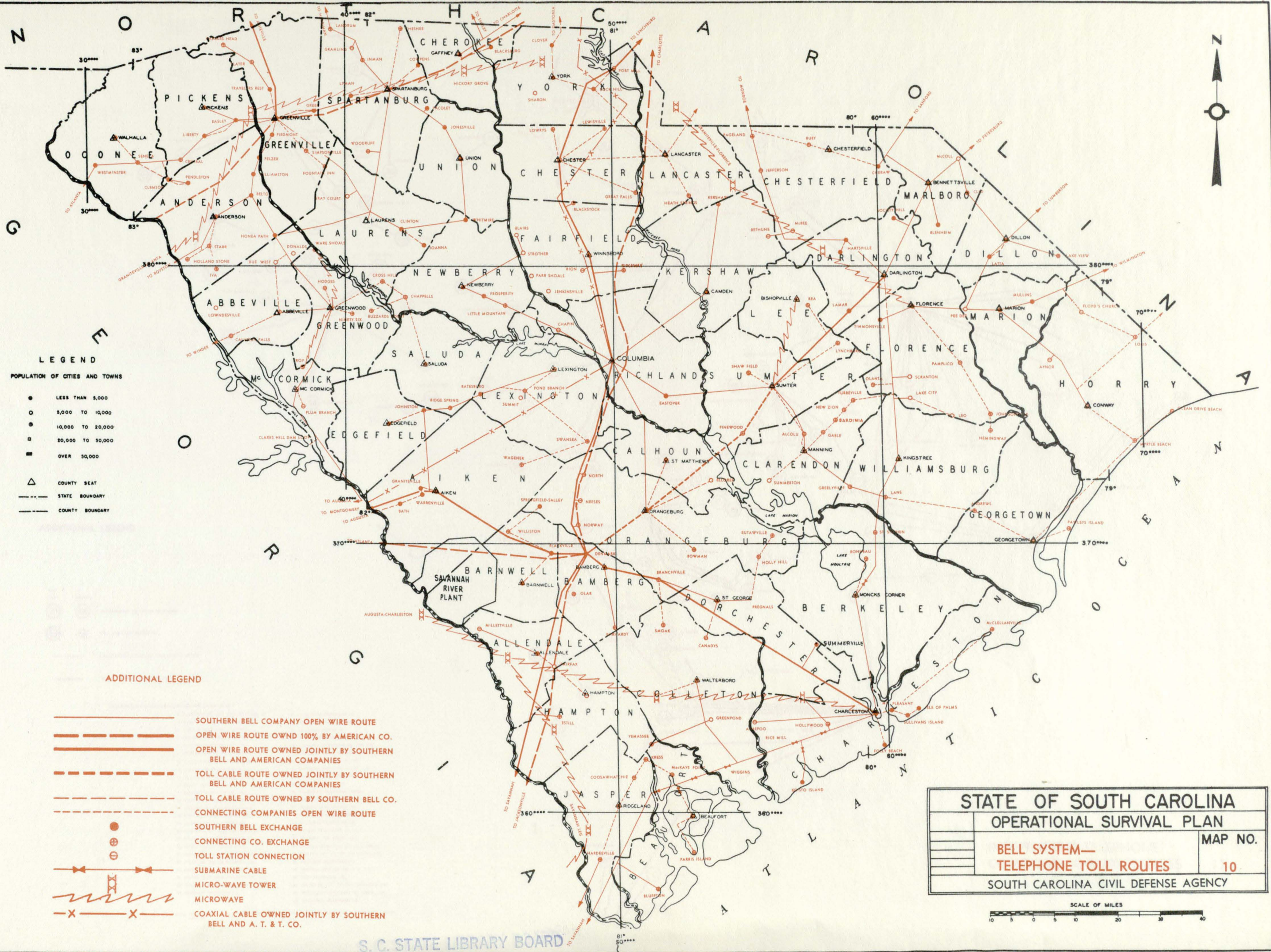
- * CAROLINA PIPELINE COMPANY
- × INTERNATIONAL PAPER COMPANY
- ⊙ WEST VIRGINIA PULP AND PAPER
- ⊠ ATLANTIC COAST LINE RAILROAD
- + C. & W. C. R. R.

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
MAJOR PRIVATELY OWNED STATEWIDE RADIO NETS	MAP NO. 8
SOUTH CAROLINA CIVIL DEFENSE AGENCY	



S.C. STATE LIBRARY BOARD





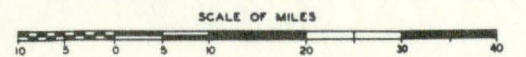
LEGEND
POPULATION OF CITIES AND TOWNS

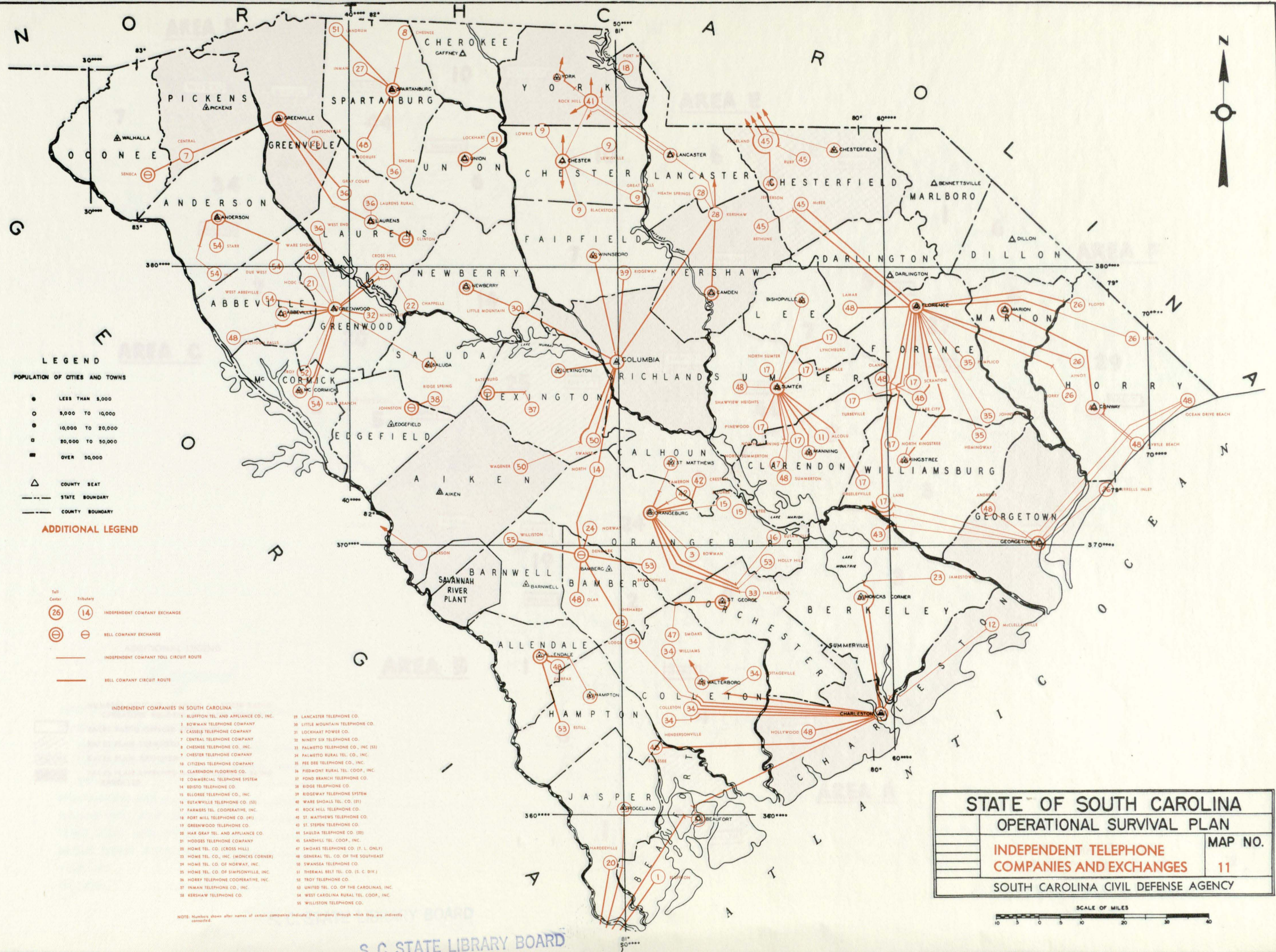
- LESS THAN 5,000
- 5,000 TO 10,000
- 10,000 TO 20,000
- 20,000 TO 50,000
- OVER 50,000
- △ COUNTY SEAT
- STATE BOUNDARY
- COUNTY BOUNDARY

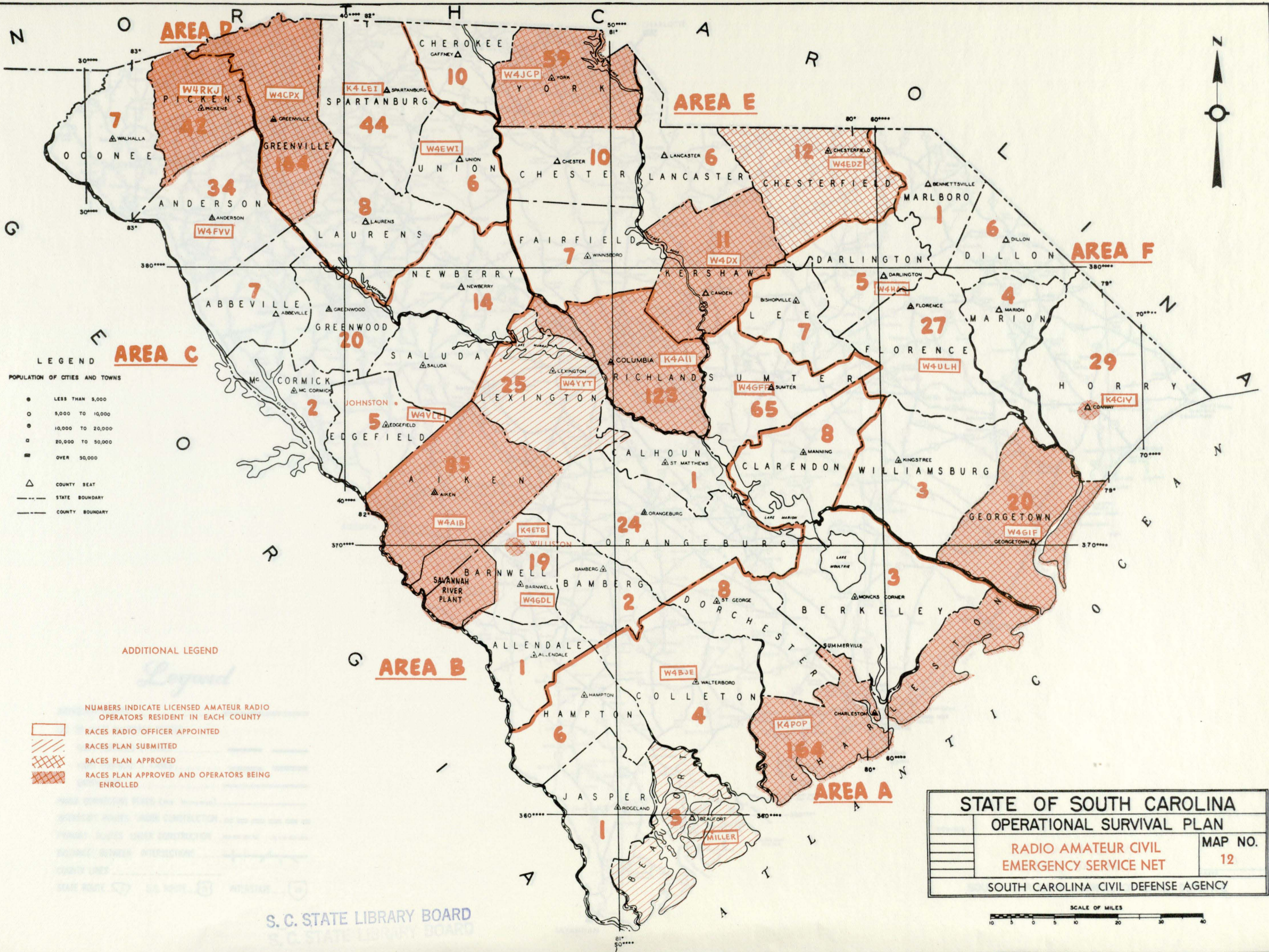
ADDITIONAL LEGEND

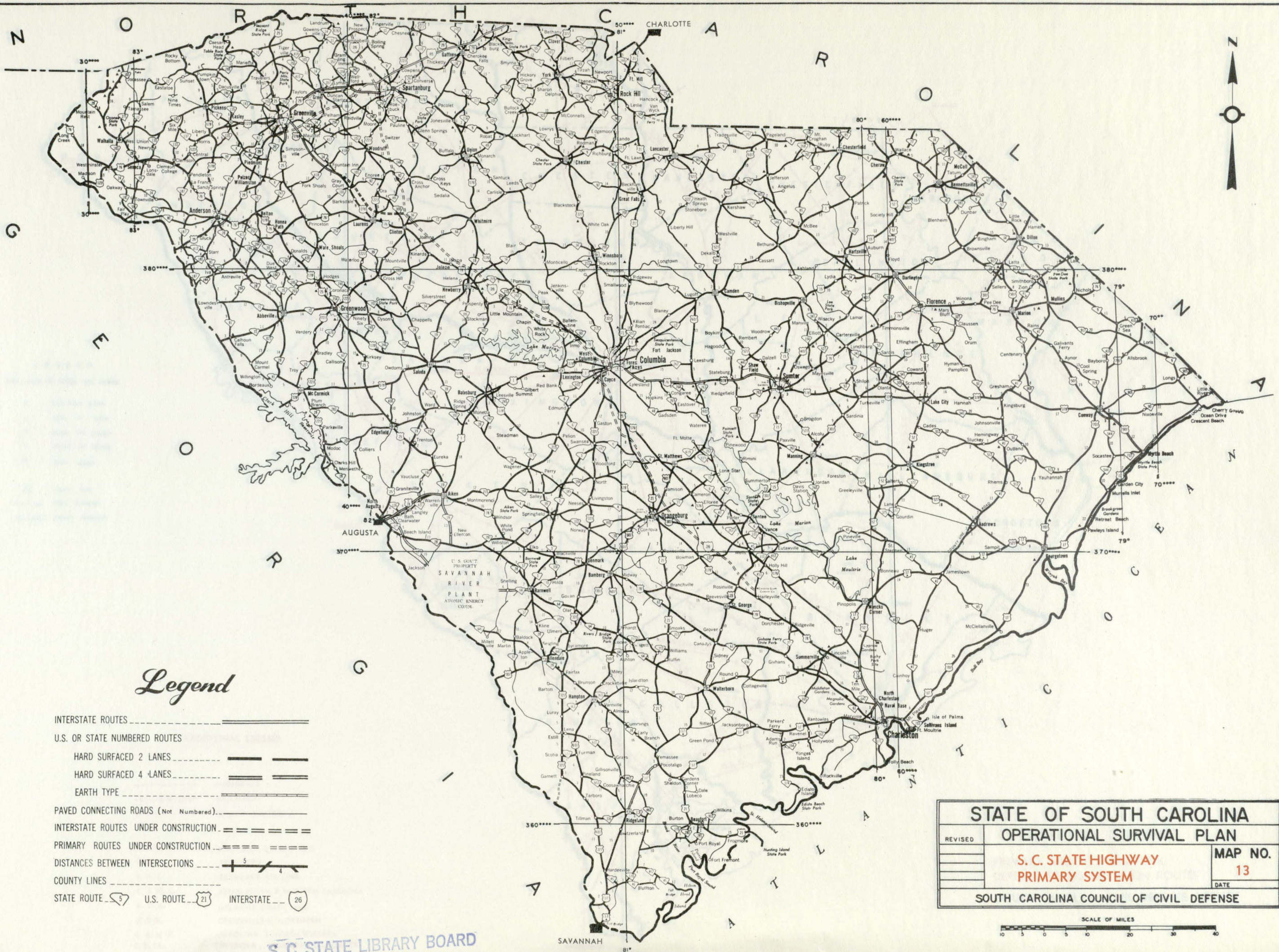
- SOUTHERN BELL COMPANY OPEN WIRE ROUTE
- OPEN WIRE ROUTE OWNED 100% BY AMERICAN CO.
- OPEN WIRE ROUTE OWNED JOINTLY BY SOUTHERN BELL AND AMERICAN COMPANIES
- TOLL CABLE ROUTE OWNED JOINTLY BY SOUTHERN BELL AND AMERICAN COMPANIES
- TOLL CABLE ROUTE OWNED BY SOUTHERN BELL CO.
- CONNECTING COMPANIES OPEN WIRE ROUTE
- SOUTHERN BELL EXCHANGE
- ⊕ CONNECTING CO. EXCHANGE
- TOLL STATION CONNECTION
- SUBMARINE CABLE
- MICRO-WAVE TOWER
- MICROWAVE
- X — COAXIAL CABLE OWNED JOINTLY BY SOUTHERN BELL AND A. T. & T. CO.

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
BELL SYSTEM—	MAP NO.
TELEPHONE TOLL ROUTES	10
SOUTH CAROLINA CIVIL DEFENSE AGENCY	





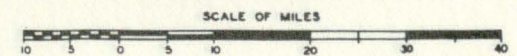


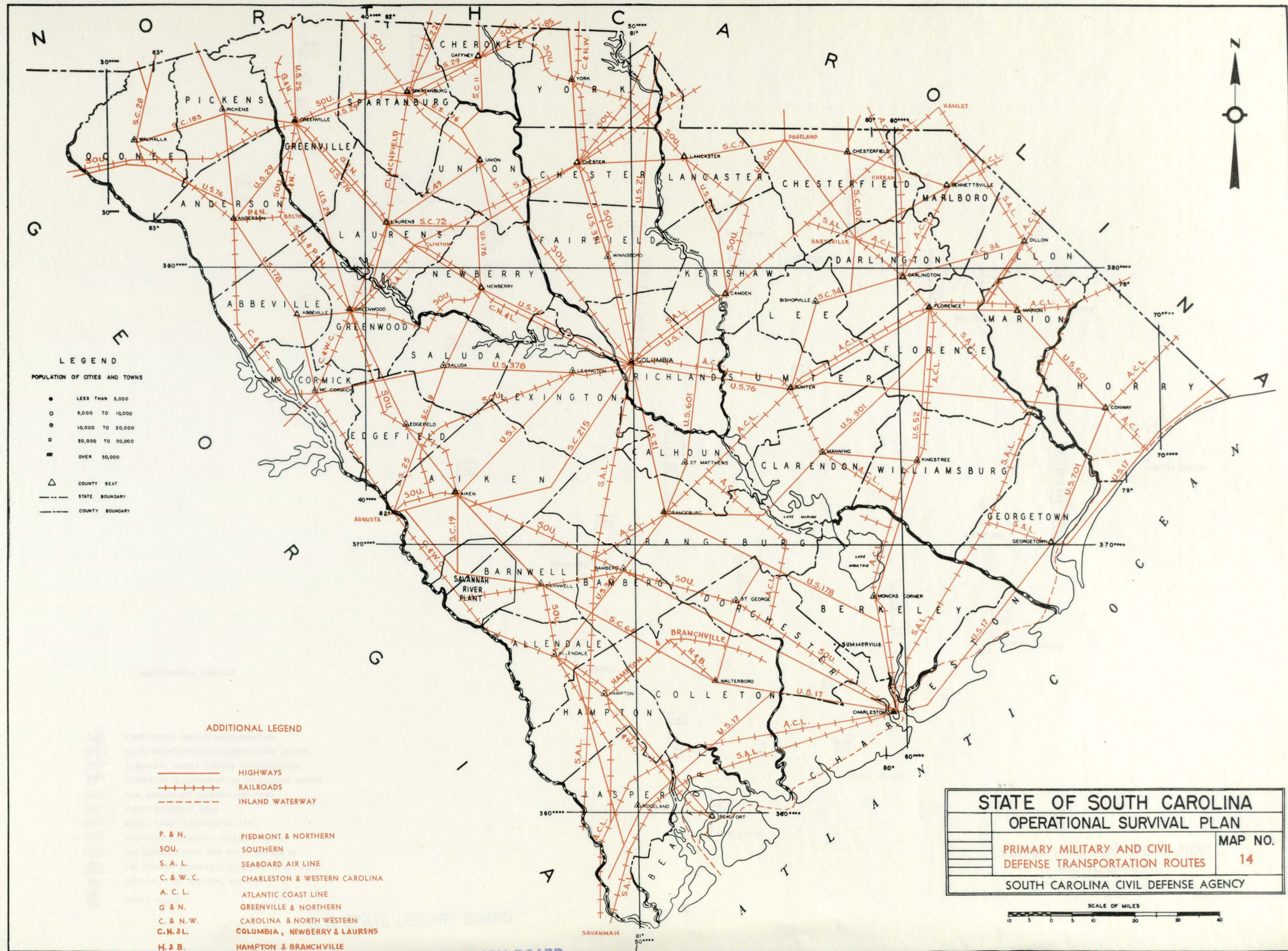


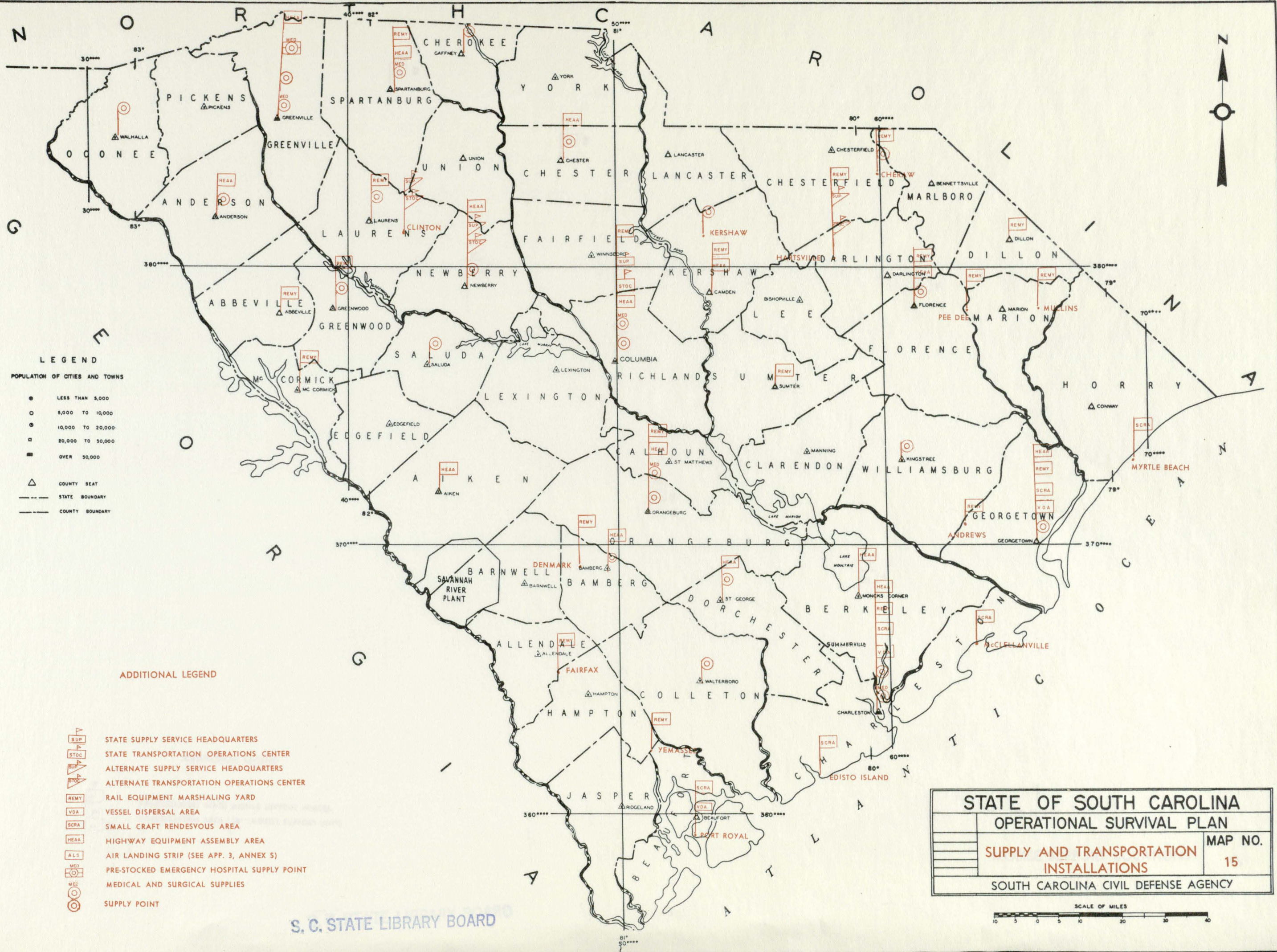
Legend

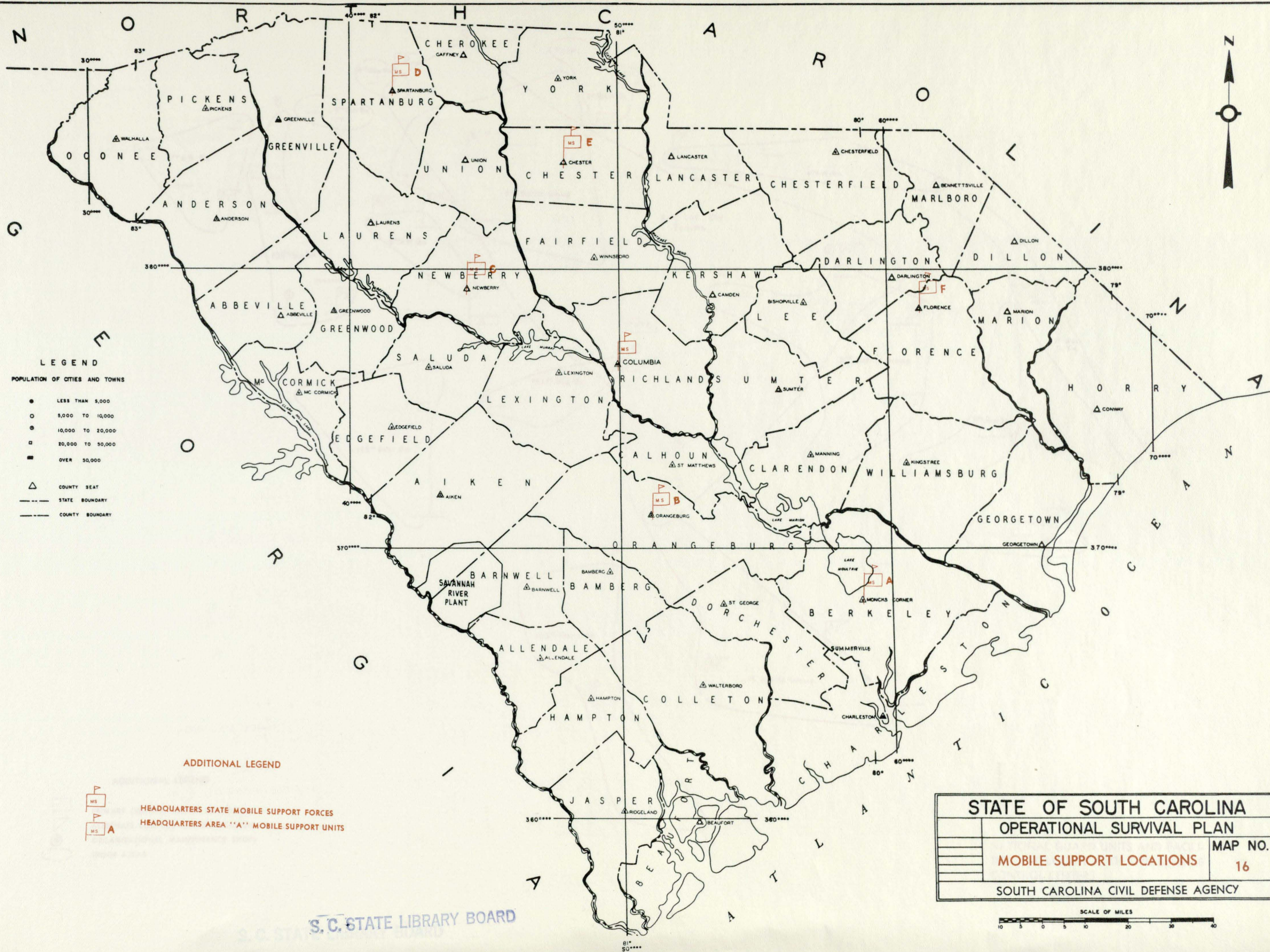
- INTERSTATE ROUTES
- U.S. OR STATE NUMBERED ROUTES
- HARD SURFACED 2 LANES
- HARD SURFACED 4 LANES
- EARTH TYPE
- PAVED CONNECTING ROADS (Not Numbered)
- INTERSTATE ROUTES UNDER CONSTRUCTION
- PRIMARY ROUTES UNDER CONSTRUCTION
- DISTANCES BETWEEN INTERSECTIONS
- COUNTY LINES
- STATE ROUTE 5 U.S. ROUTE 21 INTERSTATE 26

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
REVISED	MAP NO. 13
S. C. STATE HIGHWAY PRIMARY SYSTEM	
DATE	
SOUTH CAROLINA COUNCIL OF CIVIL DEFENSE	

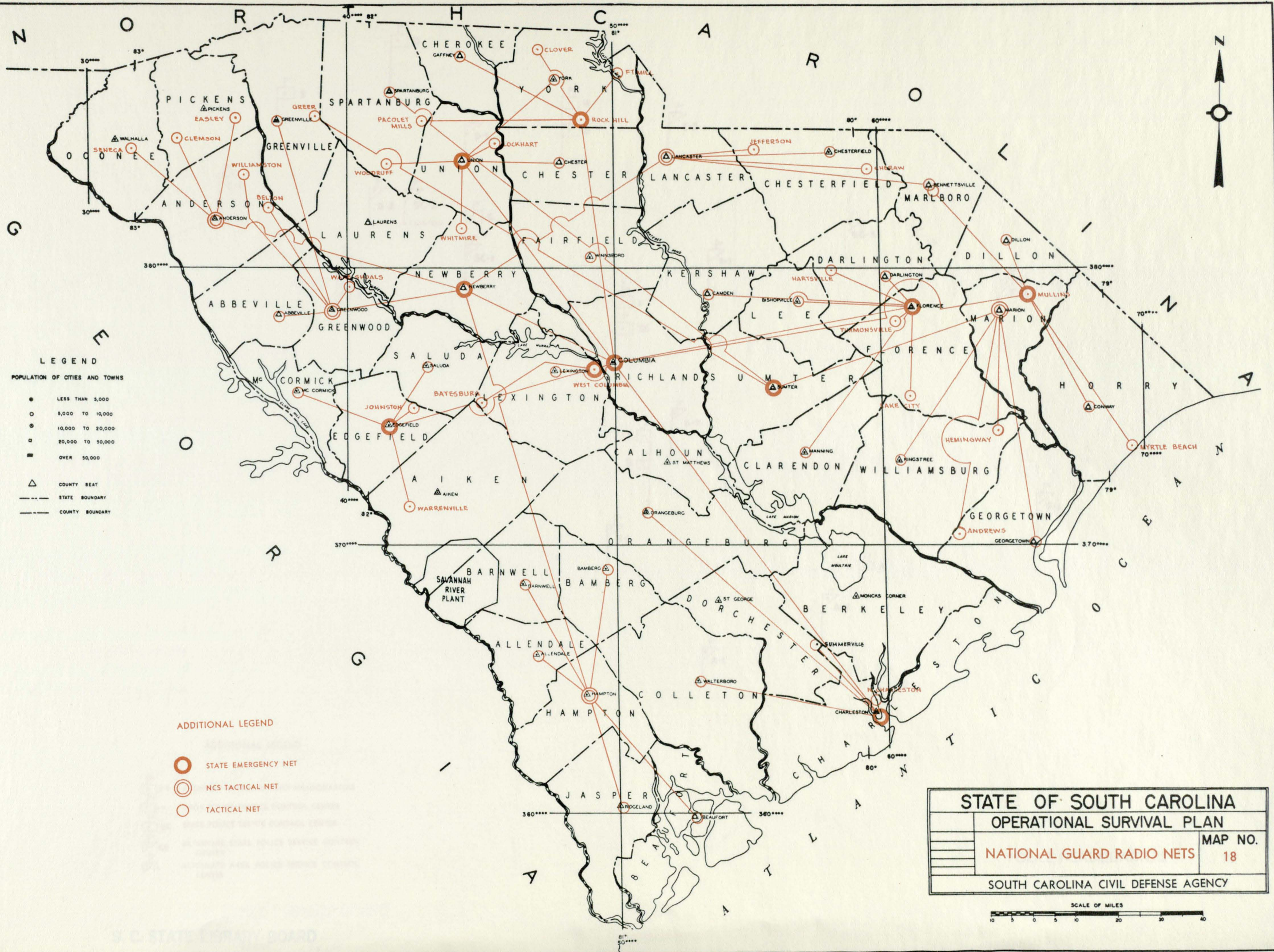








S.C. STATE LIBRARY BOARD



LEGEND

POPULATION OF CITIES AND TOWNS

- LESS THAN 5,000
- 5,000 TO 10,000
- 10,000 TO 20,000
- 20,000 TO 30,000
- OVER 30,000

△ COUNTY SEAT

--- STATE BOUNDARY

--- COUNTY BOUNDARY

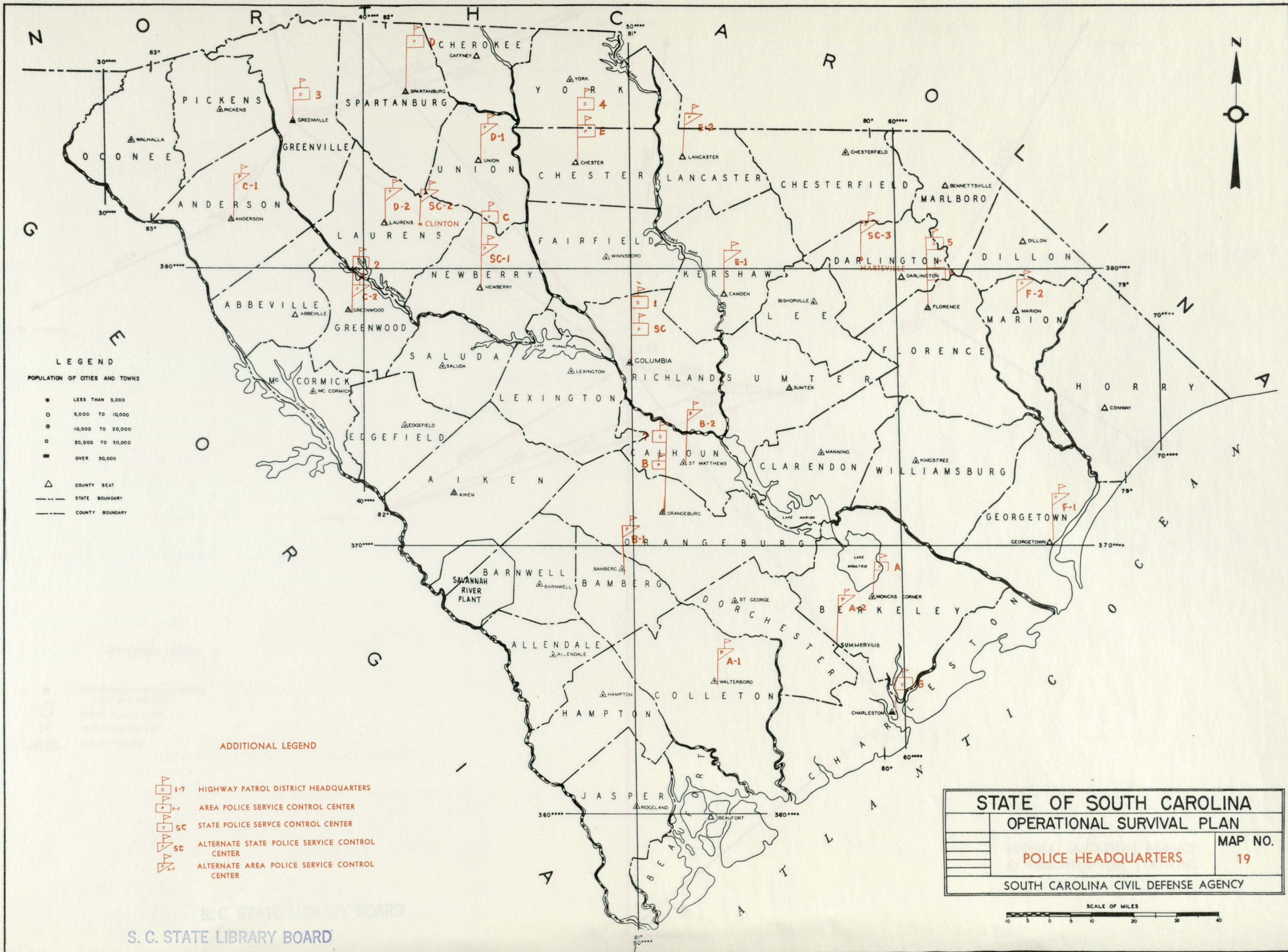
ADDITIONAL LEGEND

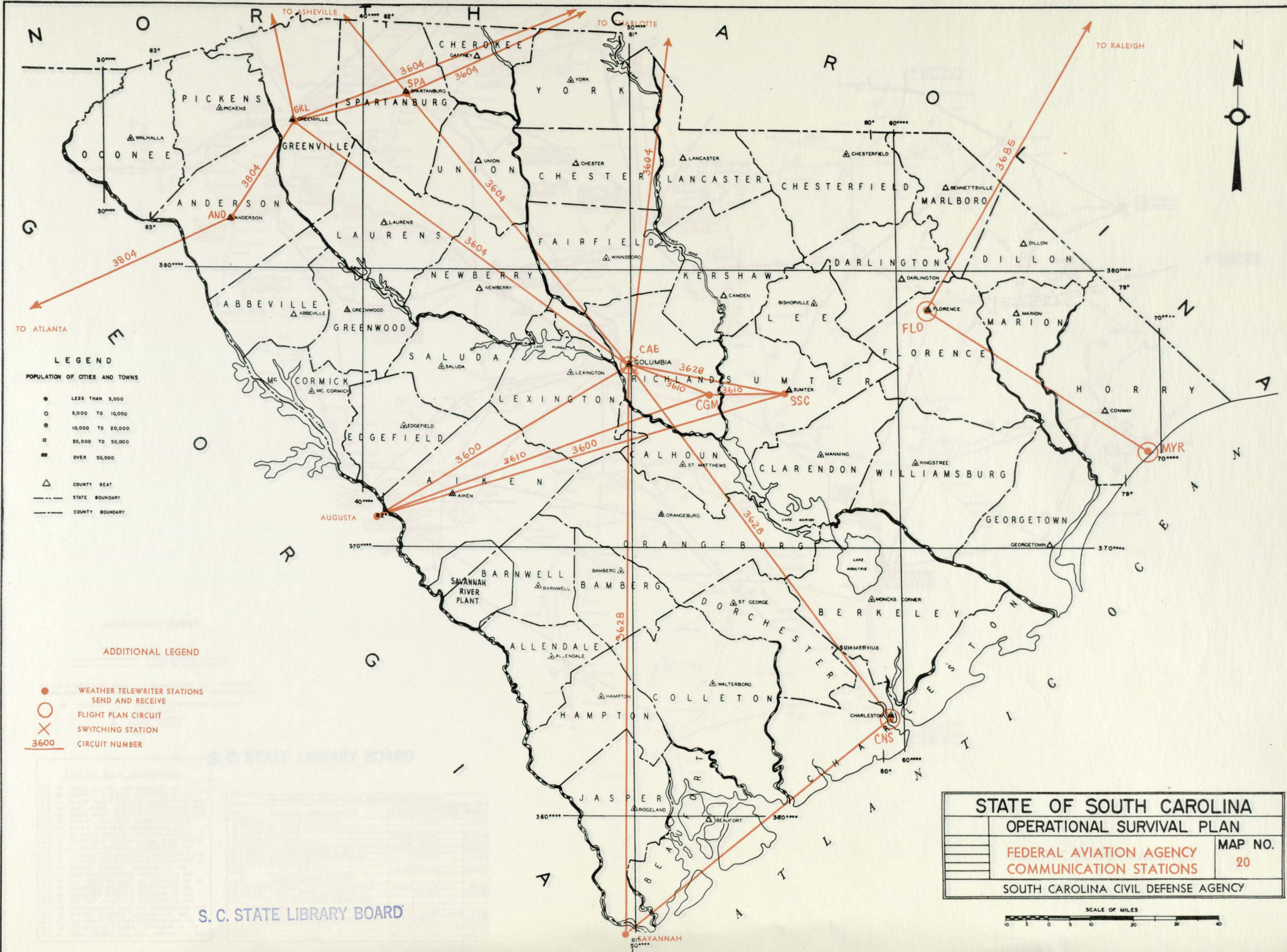
- STATE EMERGENCY NET
- NCS TACTICAL NET
- TACTICAL NET

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
NATIONAL GUARD RADIO NETS	MAP NO. 18
SOUTH CAROLINA CIVIL DEFENSE AGENCY	

SCALE OF MILES

0 5 10 20 30 40

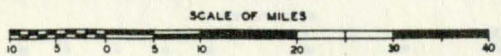




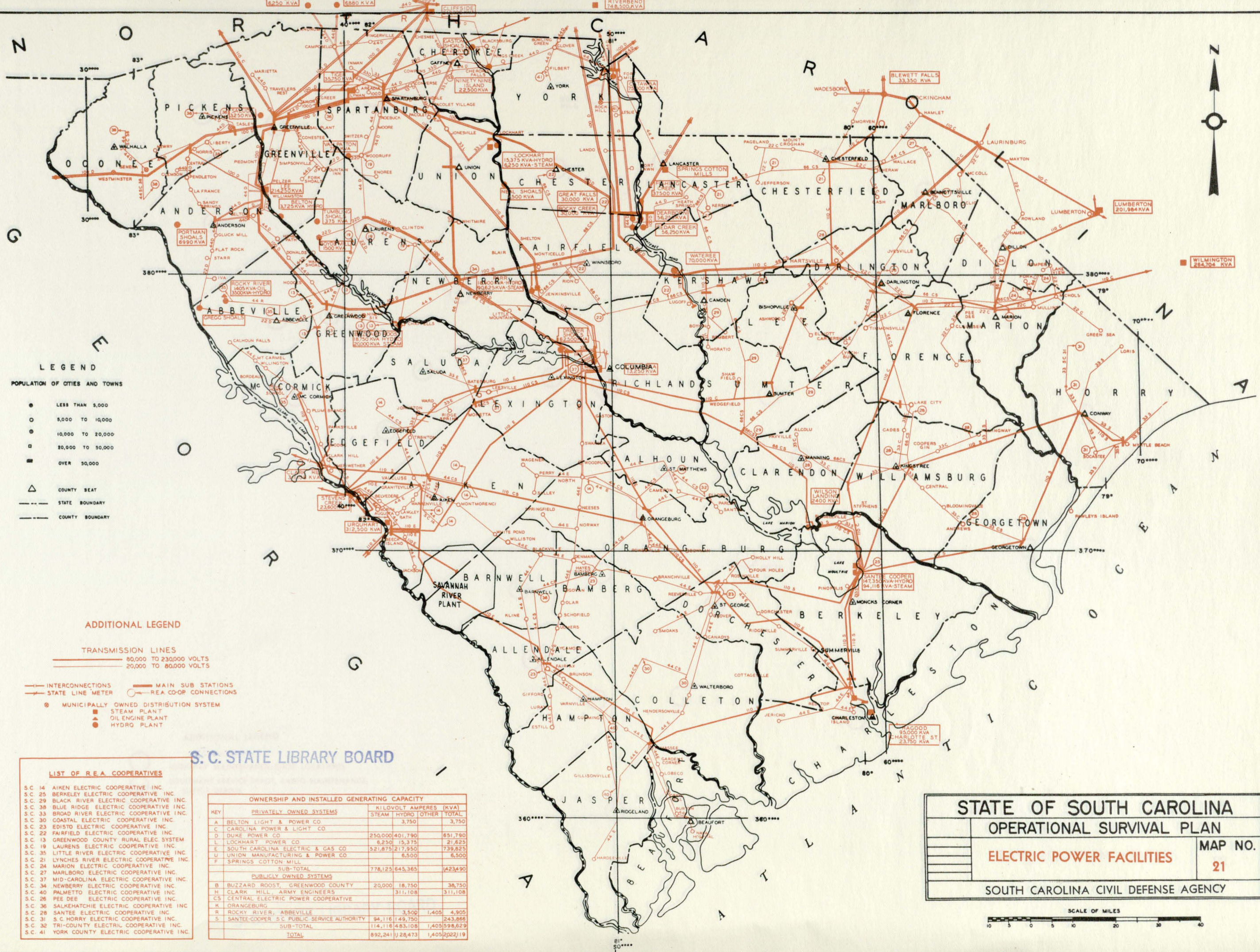
- LEGEND
- POPULATION OF CITIES AND TOWNS
- LESS THAN 5,000
 - 5,000 TO 10,000
 - ◐ 10,000 TO 20,000
 - ◑ 20,000 TO 50,000
 - OVER 50,000
- △ COUNTY SEAT
- STATE BOUNDARY
- COUNTY BOUNDARY

- ADDITIONAL LEGEND
- WEATHER TELEWRITER STATIONS SEND AND RECEIVE
 - FLIGHT PLAN CIRCUIT
 - × SWITCHING STATION
 - 3600 CIRCUIT NUMBER

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
FEDERAL AVIATION AGENCY COMMUNICATION STATIONS	MAP NO. 20
SOUTH CAROLINA CIVIL DEFENSE AGENCY	



S. C. STATE LIBRARY BOARD



LEGEND

POPULATION OF CITIES AND TOWNS

- LESS THAN 5,000
- 5,000 TO 10,000
- 10,000 TO 20,000
- 20,000 TO 30,000
- OVER 30,000

△ COUNTY SEAT

--- STATE BOUNDARY

--- COUNTY BOUNDARY

ADDITIONAL LEGEND

TRANSMISSION LINES

- 80,000 TO 230,000 VOLTS
- 20,000 TO 80,000 VOLTS

— INTERCONNECTIONS

— STATE LINE METER

● MUNICIPALLY OWNED DISTRIBUTION SYSTEM

■ STEAM PLANT

● OIL ENGINE PLANT

● HYDRO PLANT

LIST OF R.E.A. COOPERATIVES

S.C. 14	AIKEN ELECTRIC COOPERATIVE INC.
S.C. 25	BERKELEY ELECTRIC COOPERATIVE INC.
S.C. 29	BLACK RIVER ELECTRIC COOPERATIVE INC.
S.C. 38	BLUE RIDGE ELECTRIC COOPERATIVE INC.
S.C. 33	BROAD RIVER ELECTRIC COOPERATIVE INC.
S.C. 30	COASTAL ELECTRIC COOPERATIVE INC.
S.C. 23	EDISTO ELECTRIC COOPERATIVE INC.
S.C. 22	FAIRFIELD ELECTRIC COOPERATIVE INC.
S.C. 13	GREENWOOD COUNTY RURAL ELEC. SYSTEM
S.C. 19	LAURENS ELECTRIC COOPERATIVE INC.
S.C. 35	LITTLE RIVER ELECTRIC COOPERATIVE INC.
S.C. 21	LYNCHES RIVER ELECTRIC COOPERATIVE INC.
S.C. 24	MARION ELECTRIC COOPERATIVE INC.
S.C. 27	MARLBORO ELECTRIC COOPERATIVE INC.
S.C. 37	MID-CAROLINA ELECTRIC COOPERATIVE INC.
S.C. 34	NEWBERRY ELECTRIC COOPERATIVE INC.
S.C. 40	PALMETTO ELECTRIC COOPERATIVE INC.
S.C. 26	PEE DEE ELECTRIC COOPERATIVE INC.
S.C. 36	SALKEHATCHIE ELECTRIC COOPERATIVE INC.
S.C. 28	SANTEE ELECTRIC COOPERATIVE INC.
S.C. 31	S.C. HORRY ELECTRIC COOPERATIVE INC.
S.C. 32	TRI-COUNTY ELECTRIC COOPERATIVE INC.
S.C. 41	YORK COUNTY ELECTRIC COOPERATIVE INC.

S. C. STATE LIBRARY BOARD

OWNERSHIP AND INSTALLED GENERATING CAPACITY				
KEY	PRIVATELY OWNED SYSTEMS	KILOWOLT AMPERES (KVA)		
		STEAM	HYDRO	OTHER
				TOTAL
A	BELTON LIGHT & POWER CO		3,750	3,750
C	CAROLINA POWER & LIGHT CO			
D	DUKE POWER CO	250,000	401,790	651,790
L	LOCKHART POWER CO	6,250	15,375	21,625
E	SOUTH CAROLINA ELECTRIC & GAS CO	521,875	217,950	739,825
U	UNION MANUFACTURING & POWER CO		6,500	6,500
F	SPRINGS COTTON MILL			
	SUB-TOTAL	778,125	645,365	1,423,490
	PUBLICLY OWNED SYSTEMS			
B	BUZZARD ROOST, GREENWOOD COUNTY	20,000	18,750	38,750
H	CLARK HILL, ARMY ENGINEERS		311,108	311,108
C3	CENTRAL ELECTRIC POWER COOPERATIVE			
K	ORANGEBURG			
R	ROCKY RIVER, ABBEVILLE		3,500	1,405 4,905
S	SANTEE-COOPER S C PUBLIC SERVICE AUTHORITY	94,116	149,750	243,866
	SUB-TOTAL	114,116	463,108	1,405 598,629
	TOTAL	892,241	1,108,473	1,405 202,119

STATE OF SOUTH CAROLINA

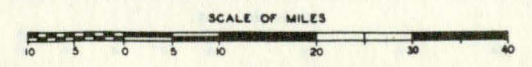
OPERATIONAL SURVIVAL PLAN

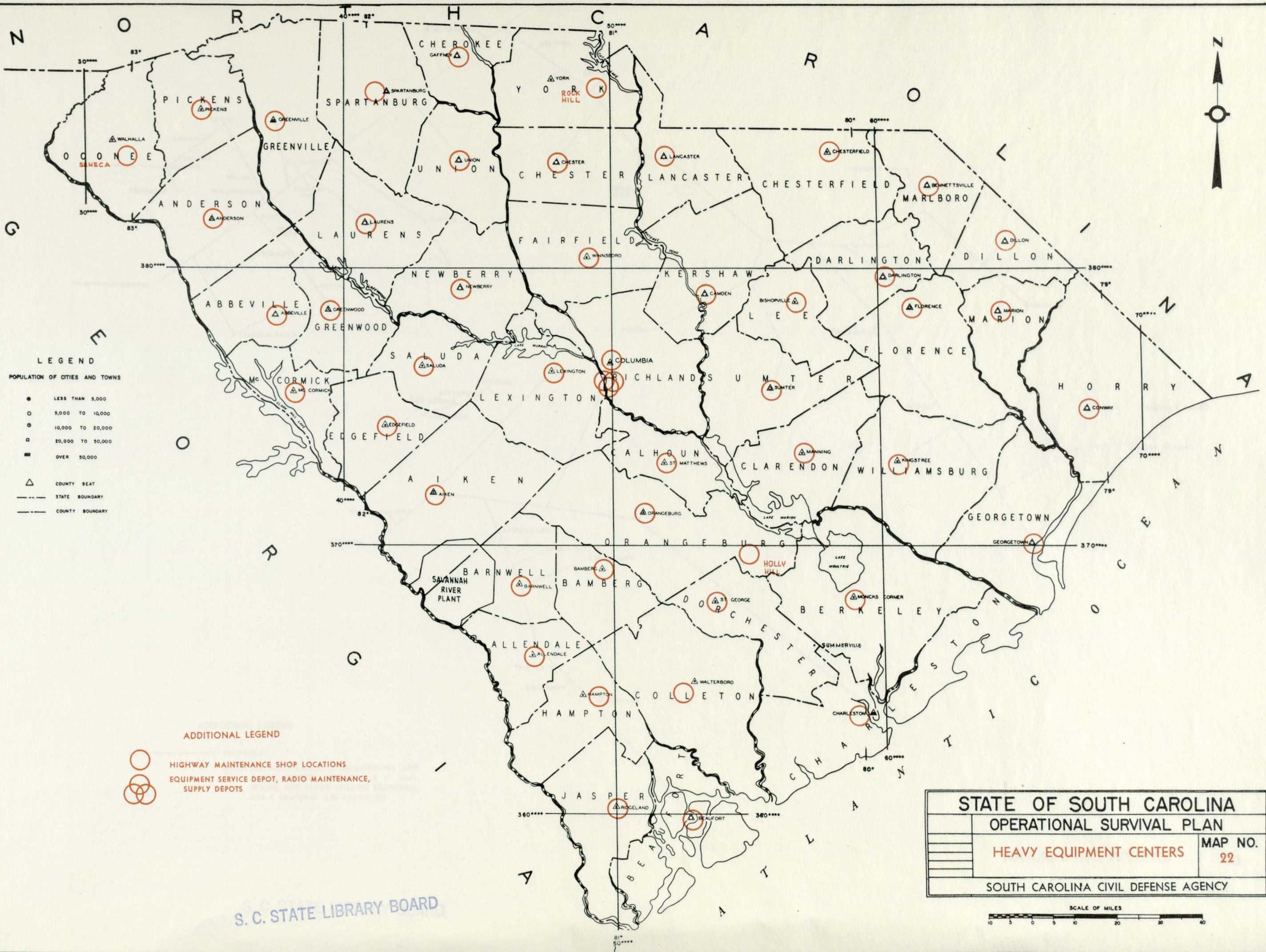
ELECTRIC POWER FACILITIES

SOUTH CAROLINA CIVIL DEFENSE AGENCY

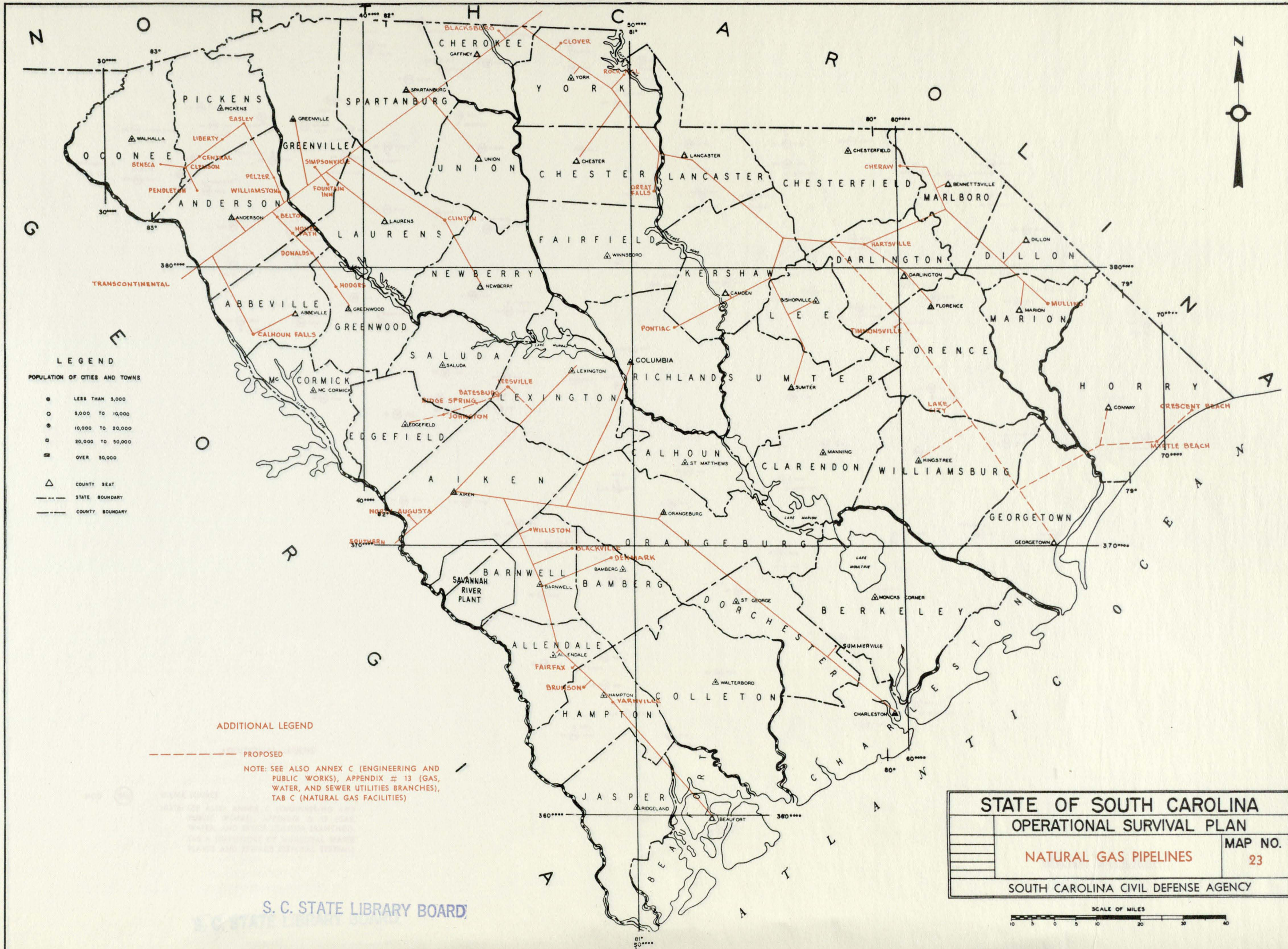
MAP NO.

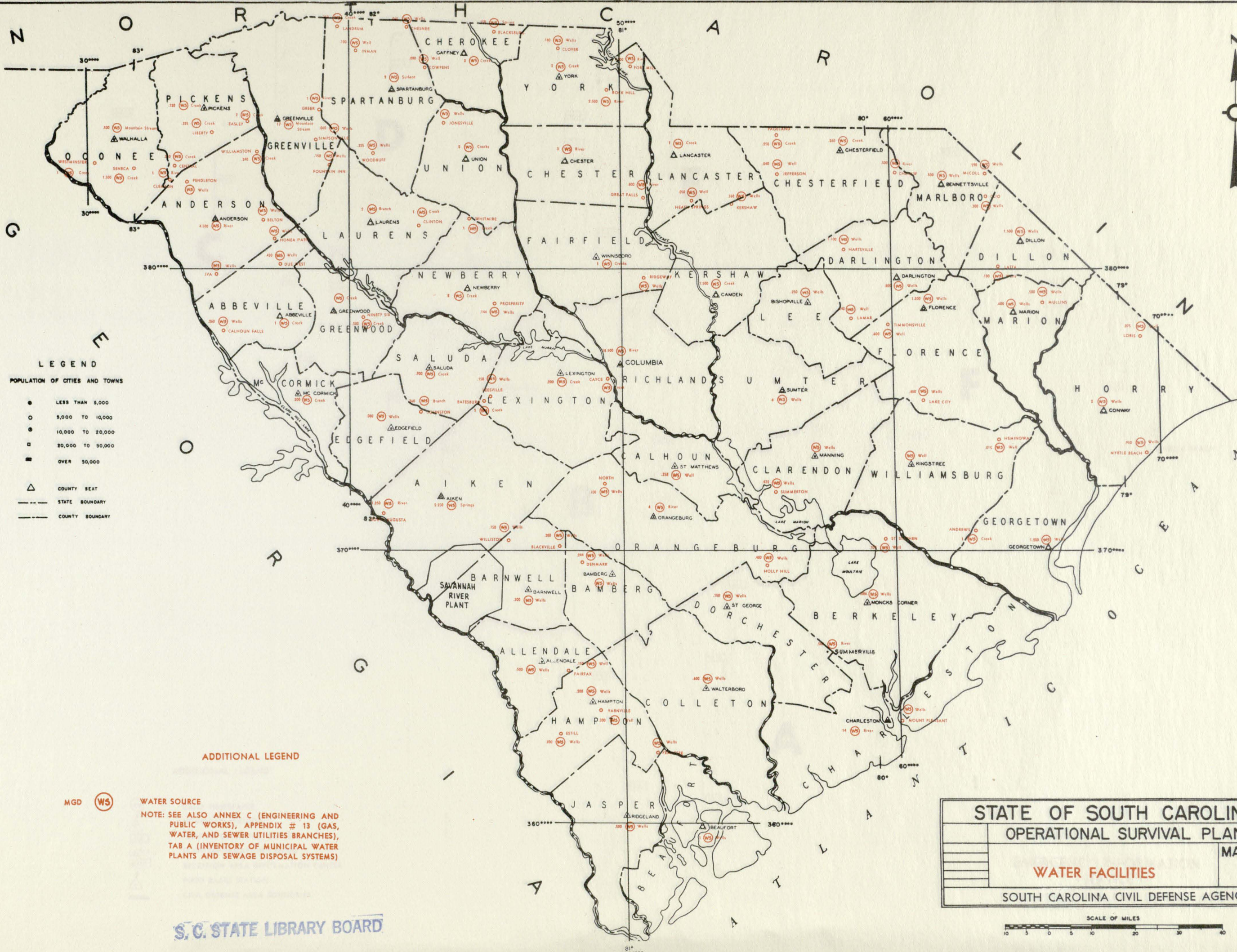
21





S. C. STATE LIBRARY BOARD





LEGEND

POPULATION OF CITIES AND TOWNS

- LESS THAN 5,000
- 5,000 TO 10,000
- ◐ 10,000 TO 20,000
- ◑ 20,000 TO 30,000
- OVER 30,000

△ COUNTY SEAT

--- STATE BOUNDARY

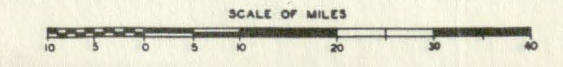
--- COUNTY BOUNDARY

ADDITIONAL LEGEND

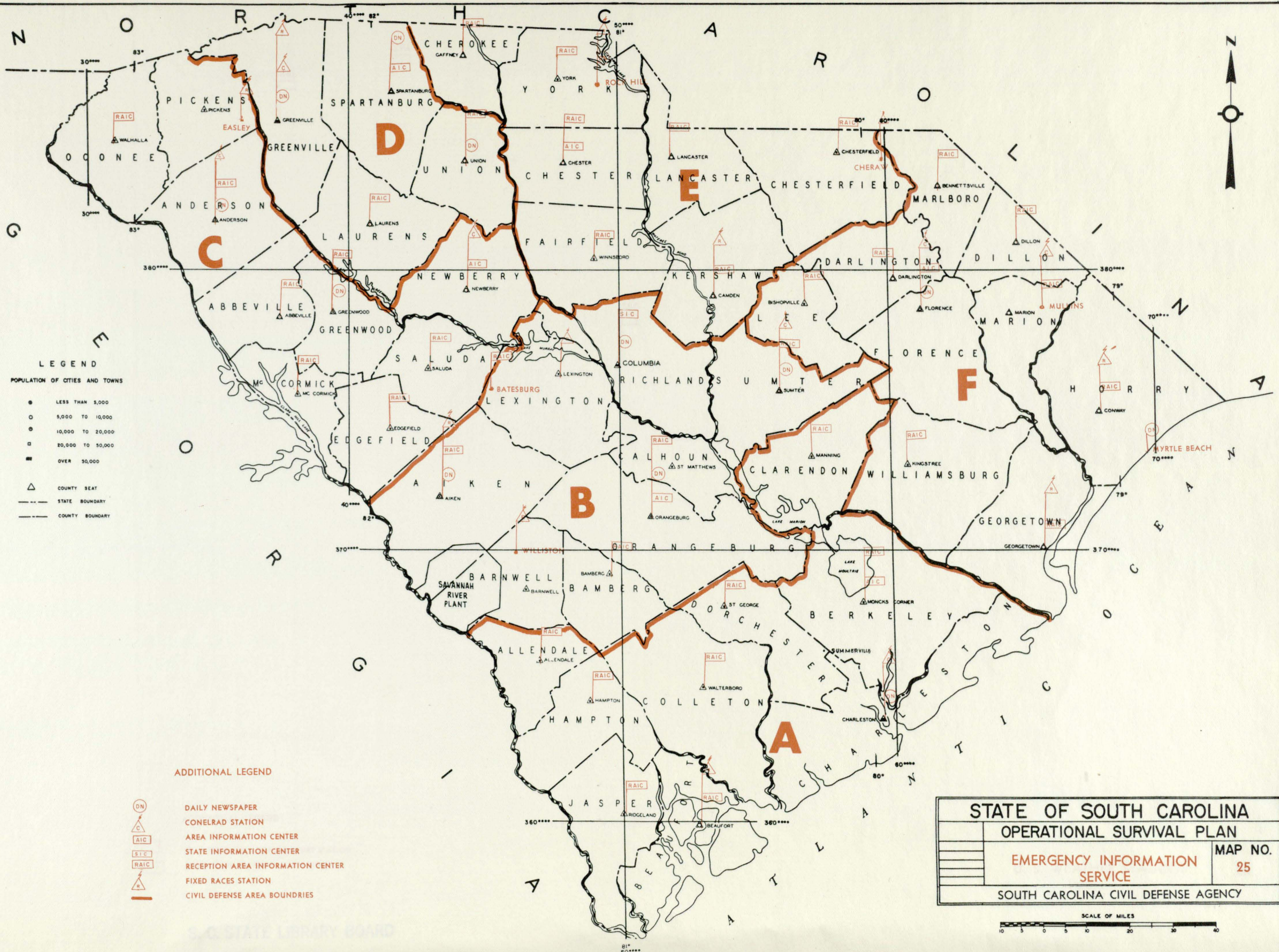
MGD (WS) WATER SOURCE

NOTE: SEE ALSO ANNEX C (ENGINEERING AND PUBLIC WORKS), APPENDIX # 13 (GAS, WATER, AND SEWER UTILITIES BRANCHES), TAB A (INVENTORY OF MUNICIPAL WATER PLANTS AND SEWAGE DISPOSAL SYSTEMS)

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
	MAP NO.
	24
WATER FACILITIES	
SOUTH CAROLINA CIVIL DEFENSE AGENCY	



S.C. STATE LIBRARY BOARD



LEGEND
POPULATION OF CITIES AND TOWNS

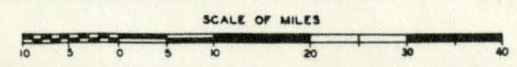
- LESS THAN 5,000
- 5,000 TO 10,000
- ◐ 10,000 TO 20,000
- ◑ 20,000 TO 30,000
- OVER 30,000

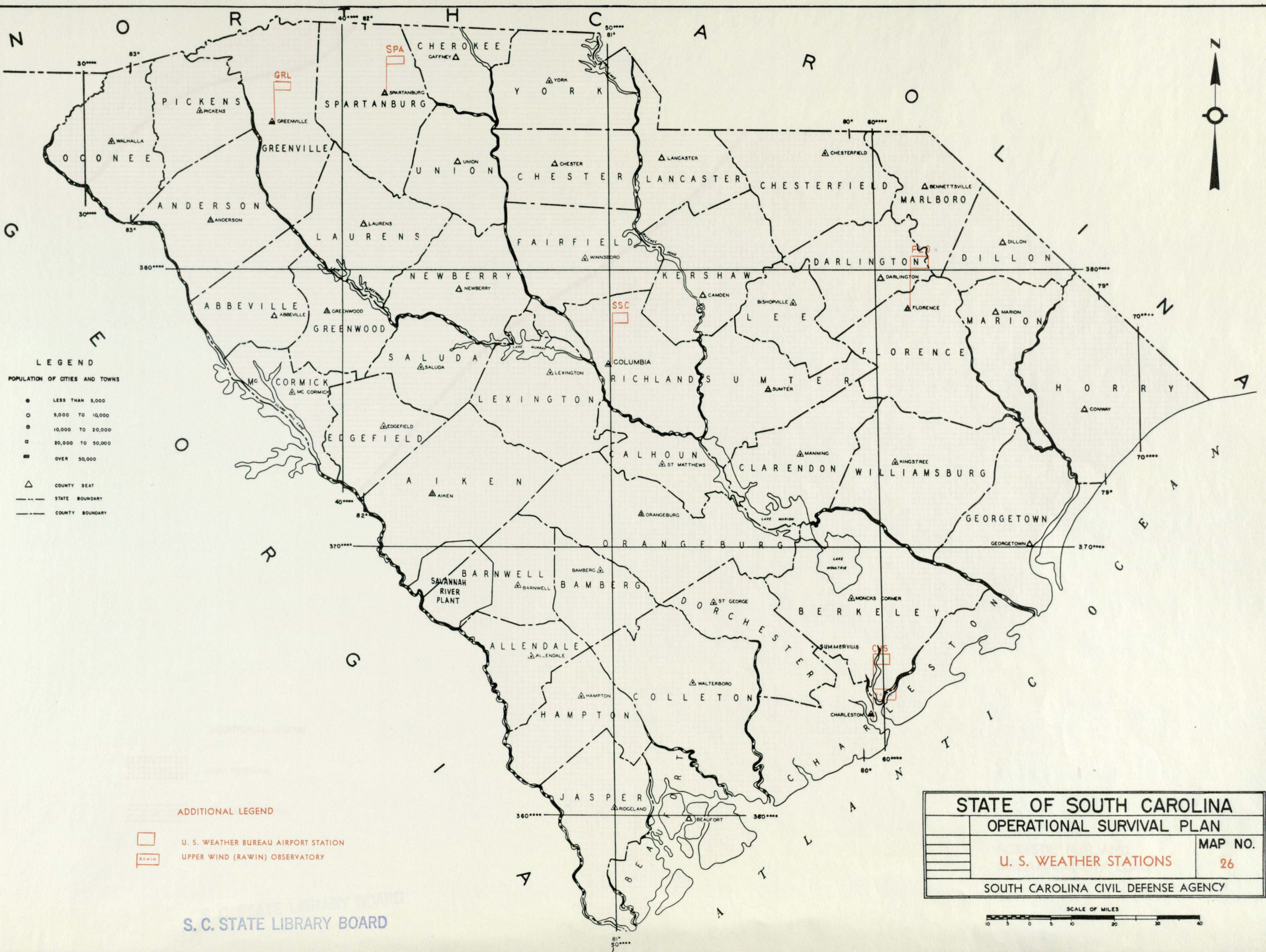
△ COUNTY SEAT
--- STATE BOUNDARY
--- COUNTY BOUNDARY

ADDITIONAL LEGEND

- DN DAILY NEWSPAPER
- △ CONELRAD STATION
- AIC AREA INFORMATION CENTER
- SIC STATE INFORMATION CENTER
- RAIC RECEPTION AREA INFORMATION CENTER
- △ FIXED RACES STATION
- CIVIL DEFENSE AREA BOUNDARIES

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
EMERGENCY INFORMATION SERVICE	MAP NO. 25
SOUTH CAROLINA CIVIL DEFENSE AGENCY	





LEGEND

POPULATION OF CITIES AND TOWNS

- LESS THAN 5,000
- 5,000 TO 10,000
- 10,000 TO 20,000
- ◻ 20,000 TO 30,000
- OVER 30,000

△ COUNTY SEAT

--- STATE BOUNDARY

--- COUNTY BOUNDARY

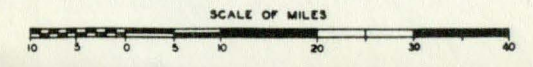
ADDITIONAL LEGEND

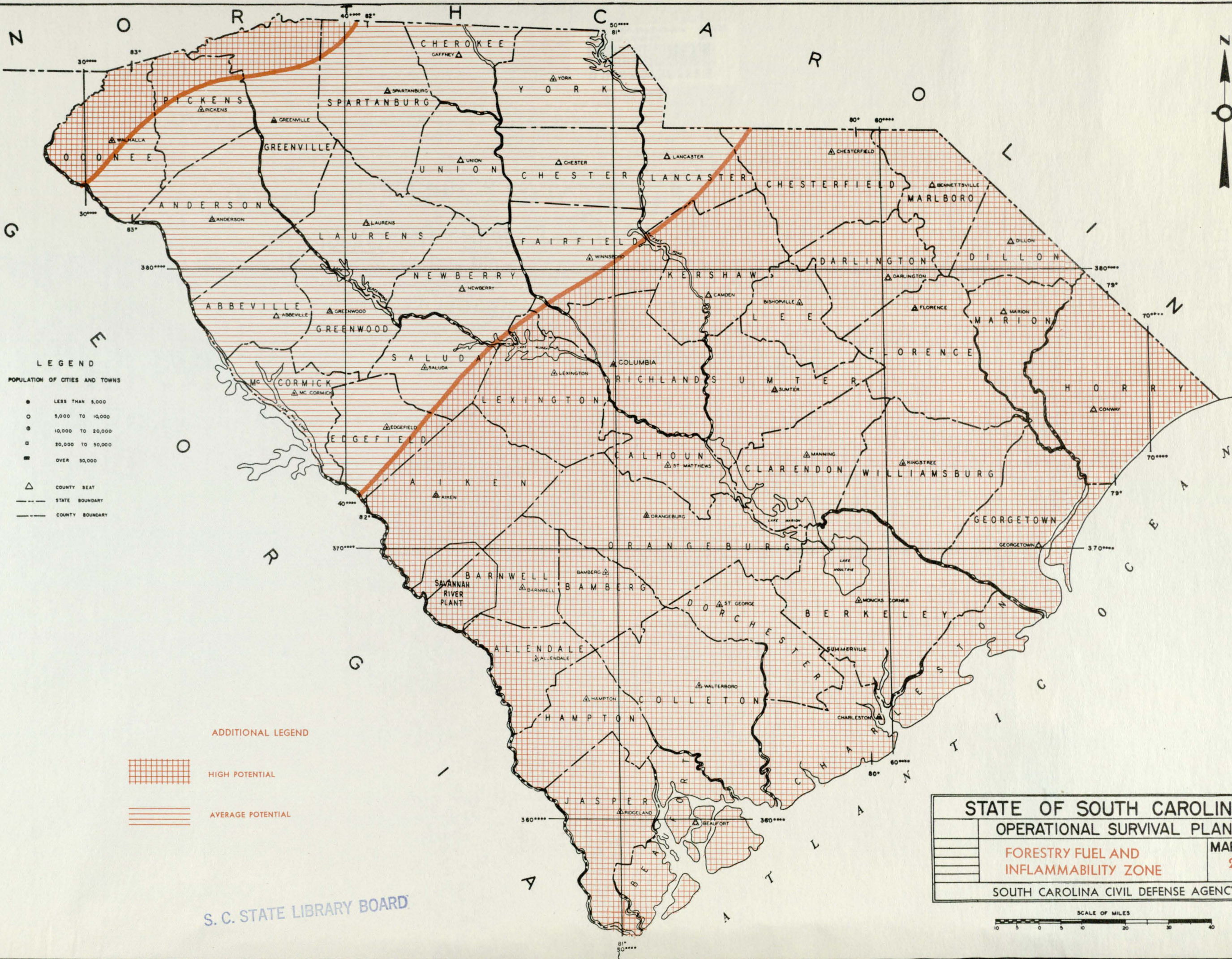
◻ U. S. WEATHER BUREAU AIRPORT STATION

◻ UPPER WIND (RAWIN) OBSERVATORY

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
U. S. WEATHER STATIONS	MAP NO. 26
SOUTH CAROLINA CIVIL DEFENSE AGENCY	

S. C. STATE LIBRARY BOARD

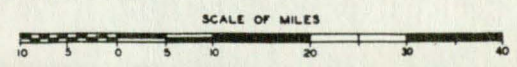




- LEGEND
- POPULATION OF CITIES AND TOWNS
- LESS THAN 5,000
 - 5,000 TO 10,000
 - ◐ 10,000 TO 20,000
 - ◑ 20,000 TO 50,000
 - OVER 50,000
- △ COUNTY SEAT
- STATE BOUNDARY
- COUNTY BOUNDARY

- ADDITIONAL LEGEND
- [Orange Grid] HIGH POTENTIAL
 - [Orange Lines] AVERAGE POTENTIAL

STATE OF SOUTH CAROLINA	
OPERATIONAL SURVIVAL PLAN	
FORESTRY FUEL AND INFLAMMABILITY ZONE	MAP NO. 27
SOUTH CAROLINA CIVIL DEFENSE AGENCY	



S. C. STATE LIBRARY BOARD